

Converting Colors

XYZ(78.1811, 80.8257, 84.6719)

Have a look what the booklet for
XYZ(78.1811, 80.8257, 84.6719)
contains.

XYZ(78.2356, 80.7203, 84.8559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.2356, 80.7203,
84.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E6E4
RGB	240, 230, 228
RGB Percent	94%, 90%, 89%
CMY	0.0588, 0.0980, 0.1059
CMYK	0.00, 0.04, 0.05, 0.06
HSL	10°, 29%, 92%
HSV	10°, 5%, 94%
XYZ	78.2356, 80.7203, 84.8559
YIQ	232.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

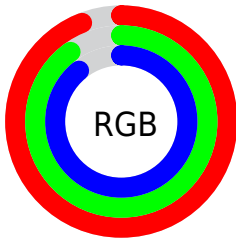
Format	Color
R _Y B	240, 230, 228
Decimal	15787748
CIE Lab	92.01, 3.04, 2.17
CIE LCh	92, 3.735, 35.491
Yxy	80.7203, 0.3209, 0.3311
Android (android.graphics.Color)	4293977828 (0xFFFF0E6E4)
YUV	232.7620, -2.3477, 6.3477
Hunter-Lab	89.8445, -1.7920, 6.8932

Details

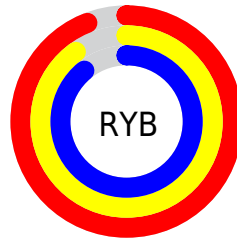
The XYZ color **78.2356, 80.7203, 84.8559** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2976, 83.9332, 94.5132**, and the grayscale version is **77.2887, 81.3137, 88.5506**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6400, 43.8674, 45.7551** is the 20% darker color. If you saturate the color by 10%, you get **69.8849, 68.9851, 66.7598**, and if you desaturate by 10%, it is **87.6915, 93.9237, 105.6042**.

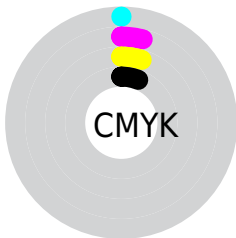
Distribution



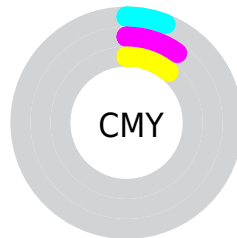
- Red (94%)
- Green (90%)
- Blue (89%)



- Red (94%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2356, 80.7203, 84.8559 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.2356, 80.7203, 84.8559 by changing the saturation by 10% instead.

78.2356, 80.7203,
84.8559

78.2356, 80.7203,
84.8559

477.7942,
497.3570, 531.2833

58.5710, 60.3113,
63.1729

129.8458,
134.3780, 142.0442

42.5129, 43.6696,
45.5392

162.5221,
168.3954, 178.3865

29.6960, 30.4108,
31.5363

200.2664,
207.7177, 220.4524

19.7549, 20.1506,
20.7457

243.4439,
252.7294, 268.6603

12.3242, 12.5046,
12.7488

292.4201,
303.8147, 323.4288

7.0386, 7.0883,
7.1271

347.5603,

3.5328, 3.5174,

361.3582, 385.1764

3.4621

409.2299,
425.7441, 454.3218

■ 1.4414, 1.4074,
1.3351

■ 0.2854, 0.2222,
0.0903

■ 78.2356, 80.7203,
84.8559

■ 78.2356, 80.7203,
84.8559

■ 69.8849, 68.9851,
66.7598

■ 87.6915, 93.9237,
105.6042

■ 62.5922, 58.6571,
51.2037

■ 89.7457, 97.2655,
108.6518

■ 56.3168, 49.6864,
38.0752

■ 51.0129, 42.0162,
27.2514

■ 46.6312, 35.5856,
18.5986

■ 43.1176, 30.3290,
11.9692

■ 40.4127, 26.1745,
7.1972

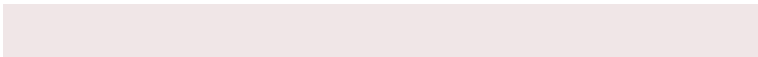
■ 38.4486, 23.0419,
4.0902

■ 37.1459, 20.8399,
2.4125

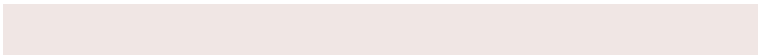
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5751, 80.7203, 87.3856



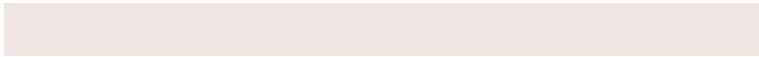
78.2356, 80.7203, 84.8559



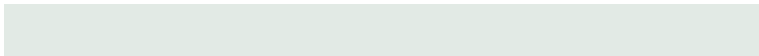
77.4908, 80.7203, 83.1659

Triad

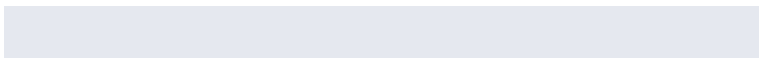
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2356, 80.7203, 84.8559



75.0542, 80.7203, 85.7150



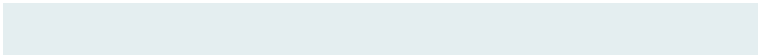
76.8991, 80.7203, 93.2608

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.2356, 80.7203, 84.8559



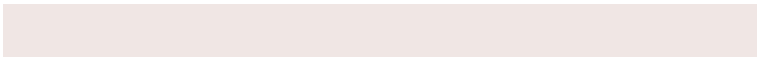
78.2976, 83.9332, 94.5132

Split Complementary

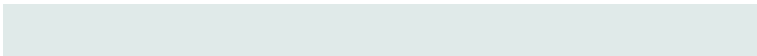
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9587, 80.7203, 92.7911



78.2356, 80.7203, 84.8559



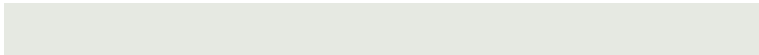
74.8987, 80.7203, 88.3977

Square

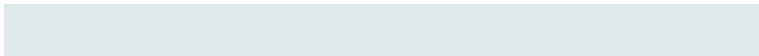
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2356, 80.7203, 84.8559



75.6551, 80.7203, 83.6546



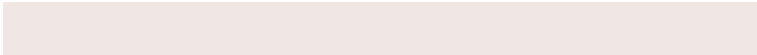
75.2285, 80.7203, 90.9970



77.7993, 80.7203, 92.2674

Rectangle

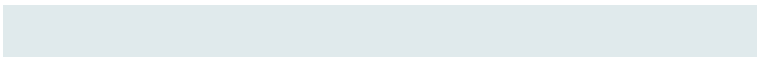
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



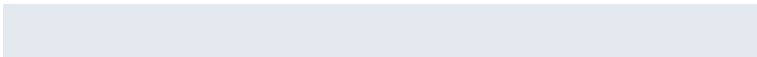
78.2356, 80.7203, 84.8559



76.8675, 80.7203, 82.7232



75.2285, 80.7203, 90.9970



76.5771, 80.7203, 93.2690

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.2379, 80.7238, 84.8576



93.9682, 98.4890, 106.5274



79.1123, 80.1863, 92.1979



20.1245, 21.0966, 22.8263



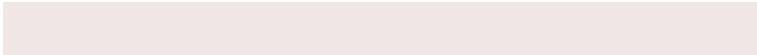
0.0000, 0.0000, 0.0000



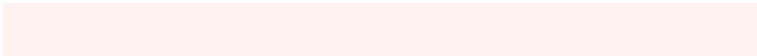
20.3446, 21.4041, 23.3091

Same Dimension

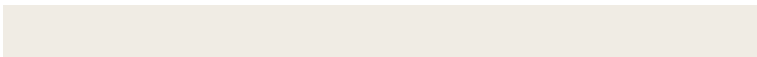
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2379, 80.7238, 84.8576



88.7518, 91.1897, 95.1283



79.9354, 84.1188, 85.4235



16.5093, 16.9196, 17.5679



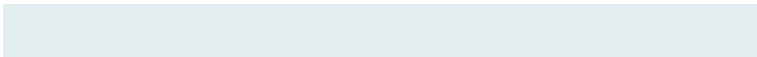
20.1527, 11.1034, 1.0810



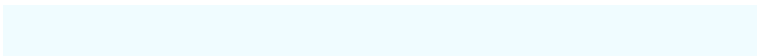
1.7382, 1.0470, 0.1105

Inverse Universe

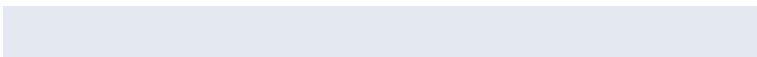
The Inverse Universe completely reimagines the original color for something new.



78.2976, 83.9332, 94.5132



88.8337, 95.5933, 108.3771



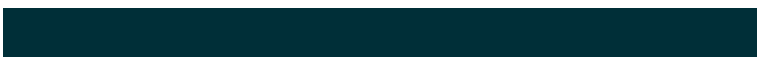
76.5809, 80.4997, 93.9409



16.5261, 17.8247, 20.2911



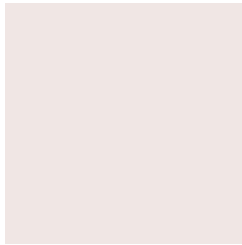
19.9909, 26.2061, 49.1325



1.7221, 2.2981, 4.1070

Previews

White Background



This preview shows how the XYZ color 78.2356, 80.7203, 84.8559 looks on a white background.

Color Contrast Check

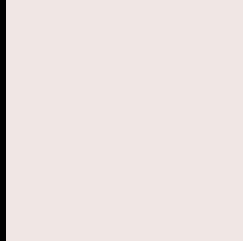
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.2356, 80.7203, 84.8559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

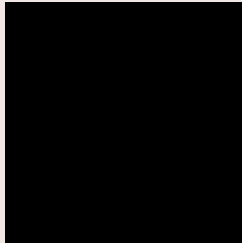
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

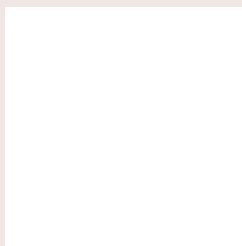
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2356, 80.7203, 84.8559

Background



This preview shows how black text looks on a background with the XYZ color 78.2356, 80.7203, 84.8559.



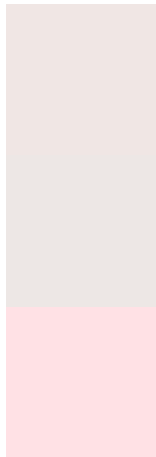
This preview shows how white text looks on a background with the XYZ color 78.2356, 80.7203,

84.8559.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.2356, 80.7203, 84.8559

Protanopia

77.6438, 80.8135, 85.6350

Deuteranopia

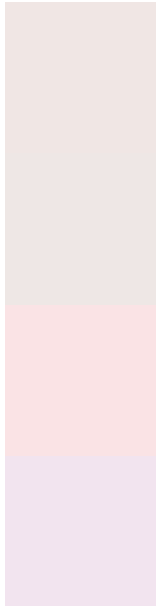
82.3081, 80.7676, 85.3803



Tritanopia

80.9127, 80.5854, 97.6762

Trichromacy



Original Color

78.2356, 80.7203, 84.8559

Protanomaly

77.9787, 80.9861, 85.6507

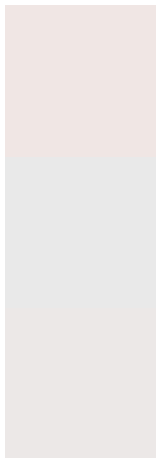
Deuteranomaly

81.0363, 80.9193, 85.4767

Tritanomaly

79.9413, 80.5960, 93.0046

Monochromacy



Original Color

78.2356, 80.7203, 84.8559

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.8725, 81.3156, 87.1925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2356, 80.7203, 84.8559 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(240, 230, 228) looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 228) }
```

Border

The CSS property to change the border of an element to XYZ 78.2356, 80.7203, 84.8559 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 230, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 230, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2356, 80.7203, 84.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
230, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor