

Converting Colors

XYZ(76.5740, 79.2190, 81.9364)

Have a look what the booklet for
XYZ(76.5740, 79.2190, 81.9364)
contains.

XYZ(76.4578, 79.0458, 81.7486)	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(76.4578, 79.0458,
81.7486)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE4E0
RGB	238, 228, 224
RGB Percent	93%, 89%, 88%
CMY	0.0667, 0.1059, 0.1216
CMYK	0.00, 0.04, 0.06, 0.07
HSL	17°, 29%, 91%
HSV	17°, 6%, 93%
XYZ	76.4578, 79.0458, 81.7486
YIQ	230.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

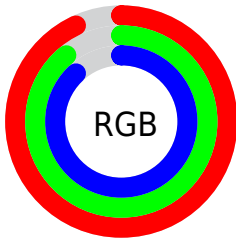
Format	Color
R _{YB}	238, 230, 224
Decimal	15656160
CIE Lab	91.26, 2.71, 3.15
CIE LCh	91, 4.150, 49.300
Yxy	79.0458, 0.3223, 0.3332
Android (android.graphics.Color)	4293846240 (0xFFEEE4E0)
YUV	230.5340, -3.2213, 6.5477
Hunter-Lab	88.9077, -2.0842, 7.7196

Details

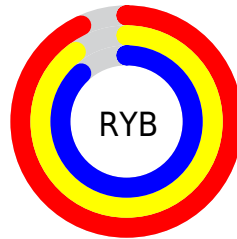
The XYZ color **76.4578, 79.0458, 81.7486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5956, 80.8645, 92.5138**, and the grayscale version is **75.6307, 79.5694, 86.6511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3964, 42.6968, 43.5956** is the 20% darker color. If you saturate the color by 10%, you get **69.0067, 68.9520, 64.4392**, and if you desaturate by 10%, it is **84.8247, 90.2462, 101.5942**.

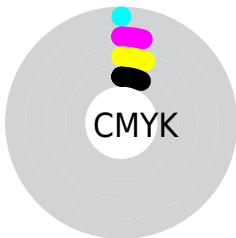
Distribution



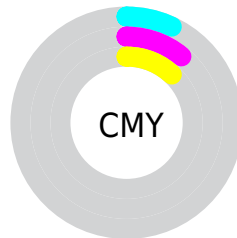
- Red (93%)
- Green (89%)
- Blue (88%)



- Red (93%)
- Yellow (90%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4578, 79.0458, 81.7486 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 76.4578, 79.0458, 81.7486 by changing the saturation by 10% instead.


 76.4578, 79.0458,
81.7486

 76.4578, 79.0458,
81.7486


471.8337,
491.7113, 520.6677

 57.1063, 58.9335,
60.6237


127.3507,
132.0233, 137.6549

 41.3311, 42.5596,
43.4930


159.6229,
165.6573, 173.2734

 28.7667, 29.5397,
29.9379


196.9328,
204.5673, 214.5603

 19.0478, 19.4895,
19.5398

239.6456,
249.1377, 261.9339

 11.8090, 12.0245,
11.8802

288.1267,
299.7529, 315.8130

 6.6851, 6.7604,
6.5406

342.7415,

 3.3105, 3.3127,

356.7973, 376.6159

3.1024

403.8554,
420.6553, 444.7613

■ 1.3200, 1.2971,
1.1472

■ 0.1981, 0.1389,
0.0000

■ 76.4578, 79.0458,
81.7486

■ 76.4578, 79.0458,
81.7486

■ 69.0067, 68.9520,
64.4392

■ 84.8247, 90.2462,
101.5942

■ 62.4329, 59.9206,
49.5581

■ 89.0702, 96.9173,
108.6202

■ 56.7048, 51.9195,
36.9974

■ 51.7864, 44.9109,
26.6389

■ 47.6390, 38.8551,
18.3538

■ 44.2203, 33.7090,
12.0000

■ 41.4836, 29.4263,
7.4170

■ 39.3760, 25.9561,
4.4180

■ 37.8349, 23.2408,
2.7732

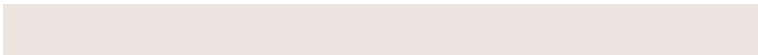
Harmonies

Analogous

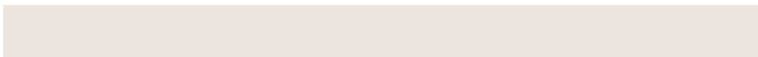
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0565, 79.0458, 84.1664



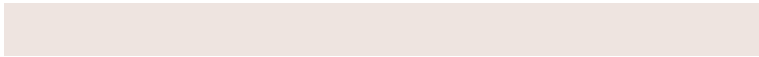
76.4578, 79.0458, 81.7486



75.5069, 79.0458, 80.4982

Triad

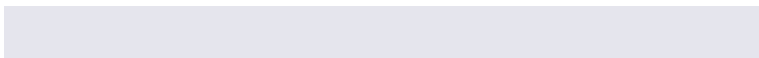
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4578, 79.0458, 81.7486



73.1600, 79.0458, 84.9961



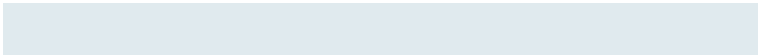
75.8014, 79.0458, 91.6531

Complementary

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



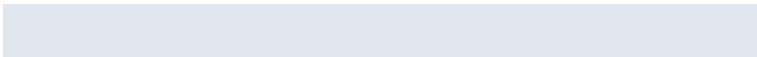
76.4578, 79.0458, 81.7486



75.5956, 80.8645, 92.5138

Split Complementary

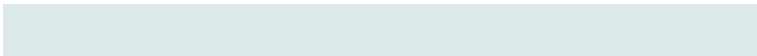
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7556, 79.0458, 91.8878



76.4578, 79.0458, 81.7486



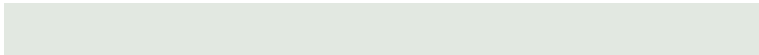
73.2372, 79.0458, 87.9969

Square

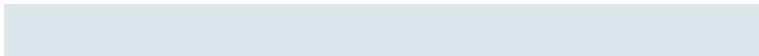
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4578, 79.0458, 81.7486



73.6071, 79.0458, 82.3438



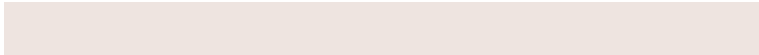
73.8190, 79.0458, 90.5358



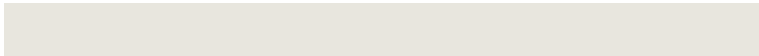
76.6751, 79.0458, 89.9017

Rectangle

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



76.4578, 79.0458, 81.7486



74.8041, 79.0458, 80.4747



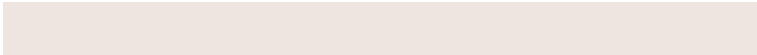
73.8190, 79.0458, 90.5358



75.4581, 79.0458, 91.9135

Sweetspot

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



76.4600, 79.0492, 81.7503



93.0890, 97.3746, 104.2491



76.7726, 77.4320, 88.7674



19.9455, 20.8697, 22.3623



0.0000, 0.0000, 0.0000



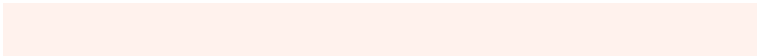
20.3446, 21.4041, 23.3091

Same Dimension

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



76.4600, 79.0492, 81.7503



88.3763, 91.0397, 93.1502



78.4141, 82.9575, 82.4017



16.4593, 16.9251, 17.2261



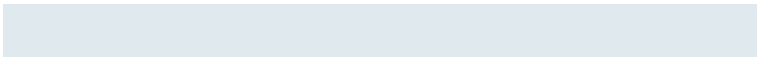
20.9226, 12.6432, 1.3376



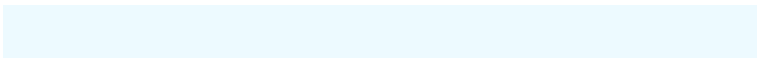
1.8225, 1.2156, 0.1386

Inverse Universe

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



75.5956, 80.8645, 92.5138



87.1780, 93.5559, 108.0711



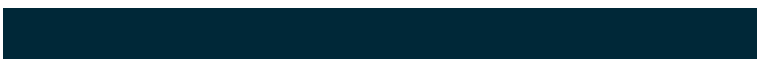
73.6523, 76.9779, 91.8660



16.2180, 17.4319, 20.2315



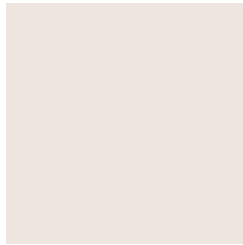
16.7376, 19.6994, 48.0481



1.4769, 1.8077, 4.0253

Previews

White Background



This preview shows how the XYZ color 76.4578, 79.0458, 81.7486 looks on a white background.

Color Contrast Check

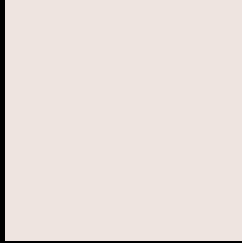
Large Text (above 18pt) WCAG AA × Fail

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 76.4578, 79.0458, 81.7486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

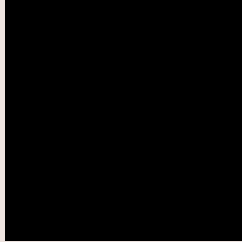
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

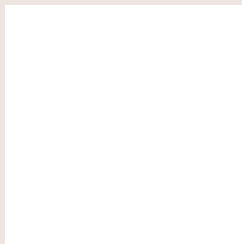
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4578, 79.0458, 81.7486

Background



This preview shows how black text looks on a background with the XYZ color 76.4578, 79.0458, 81.7486.



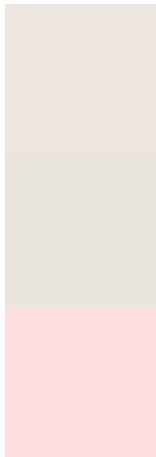
This preview shows how white text looks on a background with the XYZ color 76.4578, 79.0458,

81.7486.

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

76.4578, 79.0458, 81.7486

Protanopia

75.7348, 79.0826, 81.7938

Deuteranopia

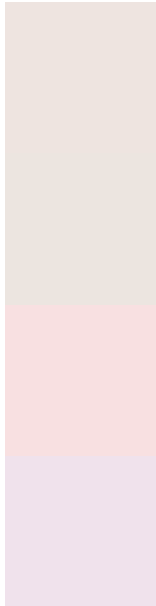
80.5849, 78.7496, 82.1871



Tritanopia

79.3785, 79.0223, 95.8631

Trichromacy



Original Color

76.4578, 79.0458, 81.7486

Protanomaly

76.0659, 79.2533, 81.8093

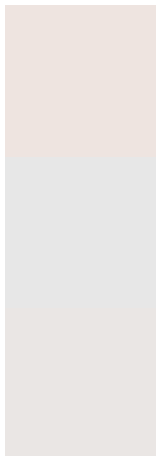
Deuteranomaly

78.9577, 78.7040, 82.2640

Tritanomaly

78.2719, 78.9741, 90.4750

Monochromacy



Original Color

76.4578, 79.0458, 81.7486

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.2321, 79.6875, 84.7621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4578, 79.0458, 81.7486 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(238, 228, 224) looks like.

```
.text, #text, p{  
    color:rgb(238, 228, 224)  
}
```

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(238, 228, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 228, 224) }
```

Border

The CSS property to change the border of an element to XYZ 76.4578, 79.0458, 81.7486 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(238, 228, 224) }
```


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

```
.border{ border-color:rgb(238, 228, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 228, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 228, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 228, 224);  
box-shadow:4px 4px 4px 4px rgb(238, 228,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4578, 79.0458, 81.7486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 228, 224) }
```

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

```
.background{ background-color: rgb(238,  
228, 224) }
```

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