

Converting Colors

XYZ(74.7739, 78.5661, 80.3321)

Have a look what the booklet for
XYZ(74.7739, 78.5661, 80.3321)
contains.

XYZ(74.8084, 78.6362, 80.3427)	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(74.8084, 78.6362,
80.3427)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E5DE
RGB	233, 229, 222
RGB Percent	91%, 90%, 87%
CMY	0.0863, 0.1019, 0.1294
CMYK	0.00, 0.02, 0.05, 0.09
HSL	38°, 20%, 89%
HSV	38°, 5%, 91%
XYZ	74.8084, 78.6362, 80.3427
YIQ	229.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

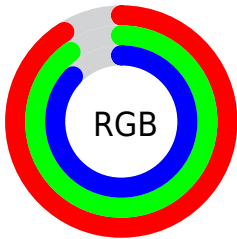
Format	Color
R_{YB}	228, 233, 222
Decimal	15328734
CIE Lab	91.07, 0.14, 3.87
CIE LCh	91, 3.877, 87.961
Yxy	78.6362, 0.3200, 0.3364
Android (android.graphics.Color)	4293518814 (0xFFE9E5DE)
YUV	229.3980, -3.6472, 3.1590
Hunter-Lab	88.6771, -4.6014, 8.3563

Details

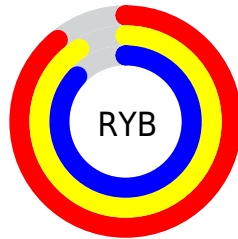
The XYZ color **74.8084, 78.6362, 80.3427** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.0285, 75.8043, 87.9271**, and the grayscale version is **74.7948, 78.6899, 85.6933**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2426, 42.4092, 42.6240** is the 20% darker color. If you saturate the color by 10%, you get **69.6145, 72.9048, 64.2543**, and if you desaturate by 10%, it is **80.5525, 84.7754, 98.7456**.

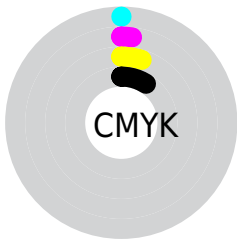
Distribution



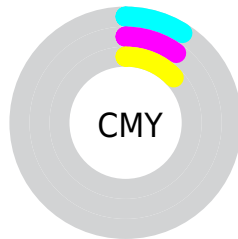
- Red (91%)
- Green (90%)
- Blue (87%)



- Red (89%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8084, 78.6362, 80.3427 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 74.8084, 78.6362, 80.3427 by changing the saturation by 10% instead.

■ 74.8084, 78.6362,
80.3427

■ 74.8084, 78.6362,
80.3427

466.2661,
490.3248, 515.8242

■ 55.7496, 58.5967,
59.4726

125.0305,
131.4466, 135.6632

■ 40.2384, 42.2886,
42.5711

156.9244,
164.9863, 170.9506

■ 27.9095, 29.3273,
29.2199

193.8274,
203.7949, 211.8809

■ 18.3975, 19.3286,
19.0002

236.1049,
248.2567, 258.8726

■ 11.3372, 11.9079,
11.4936

284.1221,
298.7563, 312.3443

■ 6.3631, 6.6810,
6.2815

338.2445,

■ 3.1098, 3.2634,

355.6778, 372.7144

2.9455

398.8374,
419.4059, 440.4015

■ 1.2121, 1.2708,
1.0669

■ 0.1159, 0.1184,
0.0000

■ 74.8084, 78.6362,
80.3427

■ 74.8084, 78.6362,
80.3427

■ 69.6145, 72.9048,
64.2543

■ 80.5525, 84.7754,
98.7456

■ 64.9451, 67.5608,
50.3820

■ 84.5901, 90.4148,
107.6012

■ 60.7818, 62.5968,
38.6281

■ 87.2226, 95.6797,
108.4786

■ 57.1028, 58.0013,
28.8854

■ 87.4147, 96.0639,
108.5427

■ 53.8843, 53.7620,
21.0371

■ 51.1001, 49.8657,
14.9546

■ 48.7212, 46.2978,
10.4927

■ 46.7136, 43.0419,
7.4831

■ 45.0366, 40.0785,
5.7198

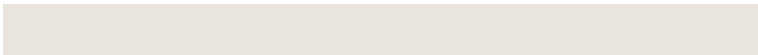
Harmonies

Analogous

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



75.7451, 78.6362, 81.1295



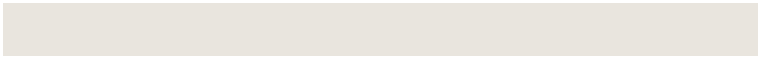
74.8084, 78.6362, 80.3427



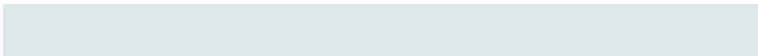
73.8617, 78.6362, 80.9445

Triad

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



74.8084, 78.6362, 80.3427



73.0899, 78.6362, 88.1757



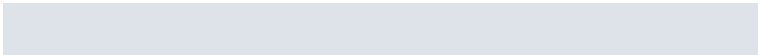
76.3495, 78.6362, 88.5153

Complementary

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



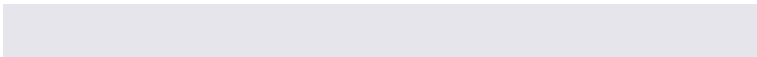
74.8084, 78.6362, 80.3427



72.0285, 75.8043, 87.9271

Split Complementary

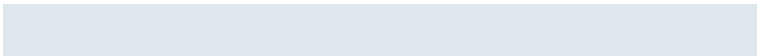
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6280, 78.6362, 90.4752



74.8084, 78.6362, 80.3427



73.7465, 78.6362, 90.2762

Square

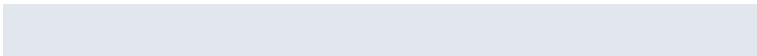
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8084, 78.6362, 80.3427



72.8747, 78.6362, 85.4296



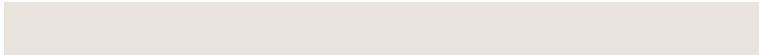
74.6743, 78.6362, 91.1265



76.6396, 78.6362, 85.8136

Rectangle

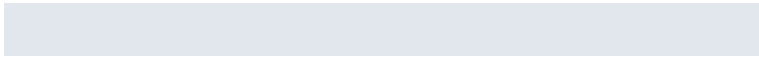
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



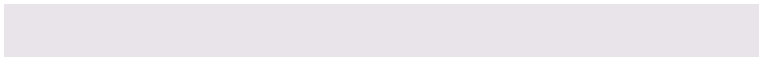
74.8084, 78.6362, 80.3427



73.3511, 78.6362, 82.0596



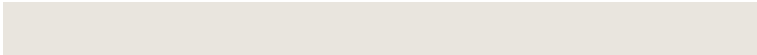
74.6743, 78.6362, 91.1265



76.1490, 78.6362, 89.2849

Sweetspot

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



74.8106, 78.6396, 80.3444



94.3473, 99.2473, 106.6538



73.4586, 75.0602, 82.5929



20.2016, 21.2510, 22.8520



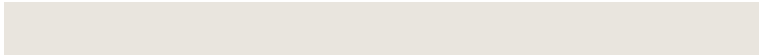
0.0000, 0.0000, 0.0000



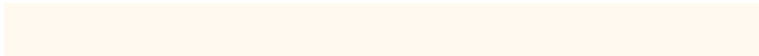
20.3446, 21.4041, 23.3091

Same Dimension

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



74.8106, 78.6396, 80.3444



90.9362, 95.5586, 95.8564



75.4521, 80.6306, 80.6949



16.1948, 17.0151, 16.9238



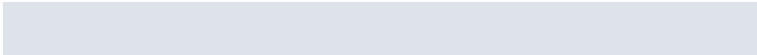
25.2309, 22.1560, 2.9467



2.0721, 1.9215, 0.2617

Inverse Universe

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



72.0285, 75.8043, 87.9271



86.6138, 91.1537, 107.6371



71.4058, 73.8891, 87.5903



15.3483, 16.1524, 19.2310



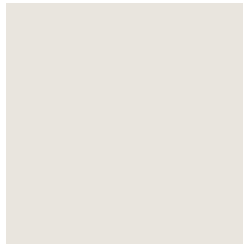
10.2802, 7.2074, 44.5923



0.8959, 0.7433, 3.5311

Previews

White Background



This preview shows how the XYZ color 74.8084, 78.6362, 80.3427 looks on a white background.

Color Contrast Check

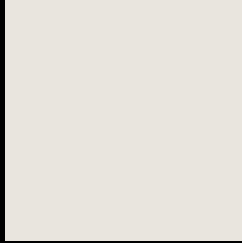
Large Text (above 18pt) WCAG AA × Fail

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 74.8084, 78.6362, 80.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

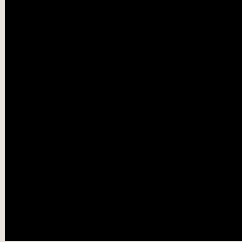
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

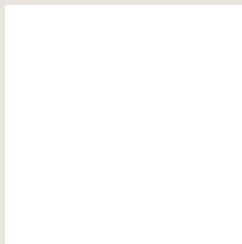
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8084, 78.6362, 80.3427

Background



This preview shows how black text looks on a background with the XYZ color 74.8084, 78.6362, 80.3427.

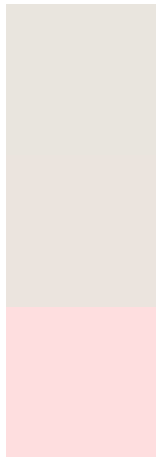


This preview shows how white text looks on a background with the XYZ color 74.8084, 78.6362,

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

74.8084, 78.6362, 80.3427

Protanopia

75.1892, 78.4229, 80.2815

Deuteranopia

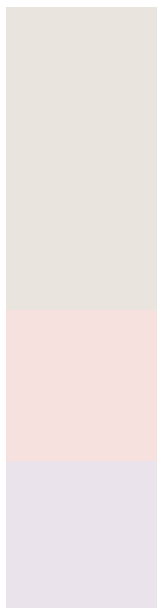
80.3136, 78.6411, 80.7583



Tritanopia

78.1176, 78.7572, 96.6724

Trichromacy



Original Color

74.8084, 78.6362, 80.3427

Protanomaly

74.8599, 78.2532, 80.2661

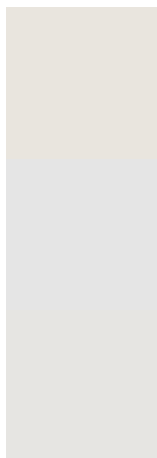
Deuteranomaly

78.2505, 78.7710, 80.8921

Tritanomaly

76.8704, 78.6565, 90.4876

Monochromacy



Original Color

74.8084, 78.6362, 80.3427

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.3799, 78.3526, 83.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8084, 78.6362, 80.3427 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(233, 229, 222) looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 222)  
}
```

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(233, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 222) }
```

Border

The CSS property to change the border of an element to XYZ 74.8084, 78.6362, 80.3427 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(233, 229, 222) }
```


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

```
.border{ border-color:rgb(233, 229, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 229, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8084, 78.6362, 80.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 222) }
```

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

```
.background{ background-color: rgb(233,  
229, 222) }
```

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