

Converting Colors

XYZ(75.7486, 80.2064, 84.2937)

Have a look what the booklet for
XYZ(75.7486, 80.2064, 84.2937)
contains.

XYZ(75.6767, 80.2482, 84.1739)	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(75.6767, 80.2482,
84.1739)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E8E3
RGB	231, 232, 227
RGB Percent	91%, 91%, 89%
CMY	0.0941, 0.0902, 0.1098
CMYK	0.00, 0.00, 0.02, 0.09
HSL	72°, 10%, 90%
HSV	72°, 2%, 91%
XYZ	75.6767, 80.2482, 84.1739
YIQ	231.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

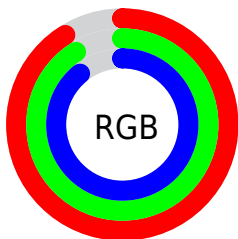
Format	Color
RYB	227, 232, 228
Decimal	15198435
CIELab	91.80, -1.22, 2.30
CIELCh	92, 2.600, 117.855
Yxy	80.2482, 0.3152, 0.3342
Android (android.graphics.Color)	4293388515 (0xFFE7E8E3)
YUV	231.1310, -2.0366, -0.1149
Hunter-Lab	89.5814, -5.9738, 6.9959

Details

The XYZ color **75.6767, 80.2482, 84.1739** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0326, 77.2605, 87.3589**, and the grayscale version is **76.0692, 80.0308, 87.1535**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6509, 43.1432, 45.2147** is the 20% darker color. If you saturate the color by 10%, you get **71.2057, 78.2910, 68.3605**, and if you desaturate by 10%, it is **80.6238, 82.4055, 102.2653**.

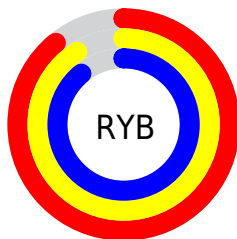
Distribution



Red (91%)

Green (91%)

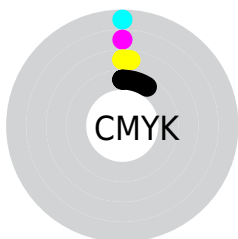
Blue (89%)



Red (89%)

Yellow (91%)

Blue (89%)

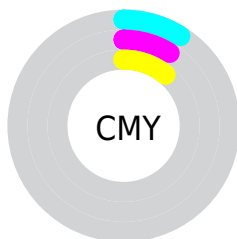


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6767, 80.2482, 84.1739 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 75.6767, 80.2482, 84.1739 by changing the saturation by 10% instead.

■ 75.6767, 80.2482,
84.1739

■ 75.6767, 80.2482,
84.1739

469.2017,
495.7689, 528.9637

■ 56.4636, 59.9226,
62.6128

126.2526,
133.7146, 141.0823

■ 40.8132, 43.3563,
45.0891

158.3461,
167.6243, 177.2667

■ 28.3602, 30.1647,
31.1841

195.4637,
206.8307, 219.1626

■ 18.7392, 19.9637,
20.4795

237.9708,
251.7184, 267.1885

■ 11.5848, 12.3686,
12.5565

286.2329,
302.6716, 321.7631

■ 6.5318, 6.9953,
6.9968

340.6151,

■ 3.2148, 3.4591,

360.0749, 383.3048

3.3817

401.4829,
424.3125, 452.2321

■ 1.2683, 1.3759,
1.2927

■ 0.1593, 0.1988,
0.0558

■ 75.6767, 80.2482,
84.1739

■ 75.6767, 80.2482,
84.1739

■ 71.2057, 78.2910,
68.3605

■ 80.6238, 82.4055,
102.2653

■ 67.1865, 76.5166,
54.7295

■ 82.9502, 83.5167,
106.3561

■ 63.6029, 74.9210,
43.1866

■ 84.5542, 84.3436,
106.4312

■ 60.4349, 73.4961,
33.6281

■ 86.1991, 85.1916,
106.5082

■ 57.6608, 72.2332,
25.9420

■ 87.8852, 86.0608,
106.5871

■ 55.2569, 71.1229,
20.0045

■ 88.1482, 86.1964,
106.5994

■ 53.1965, 70.1544,
15.6775

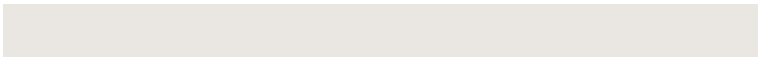
■ 51.4493, 69.3155,
12.8019

■ 49.9783, 68.5914,
11.1861

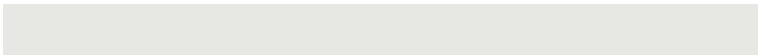
Harmonies

Analogous

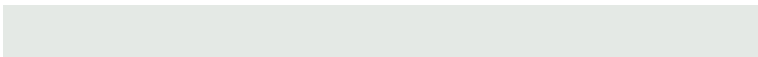
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3214, 80.2482, 83.7626



75.6767, 80.2482, 84.1739



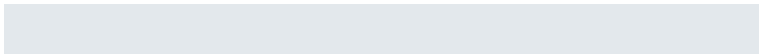
75.1943, 80.2482, 85.4397

Triad

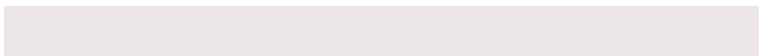
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6767, 80.2482, 84.1739



75.5942, 80.2482, 90.5190



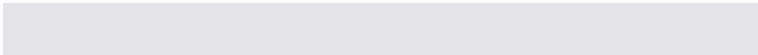
77.5604, 80.2482, 87.5140

Complementary

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



75.6767, 80.2482, 84.1739



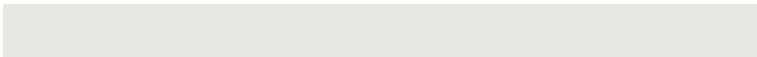
74.0326, 77.2605, 87.3589

Split Complementary

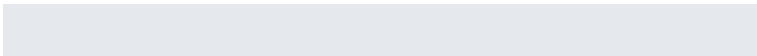
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3630, 80.2482, 89.3426



75.6767, 80.2482, 84.1739



76.2256, 80.2482, 91.0932

Square

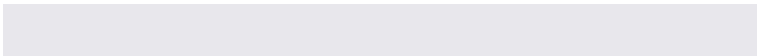
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



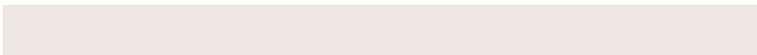
75.6767, 80.2482, 84.1739



75.1468, 80.2482, 89.1016



76.8734, 80.2482, 90.6596



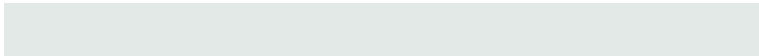
77.4114, 80.2482, 85.6741

Rectangle

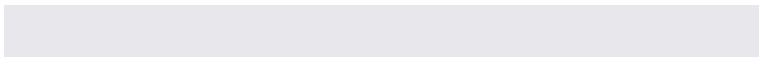
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



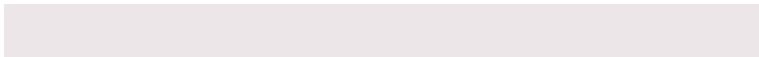
75.6767, 80.2482, 84.1739



75.0284, 80.2482, 86.6073



76.8734, 80.2482, 90.6596



77.5324, 80.2482, 88.1505

Sweetspot

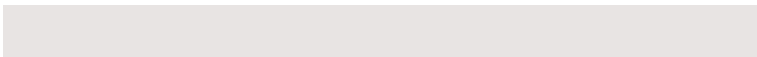
The Sweet Spot groups the original color and five complimentary colors.



75.6790, 80.2517, 84.1756



94.4541, 99.7399, 106.7433



74.8900, 78.1910, 83.8195



20.2233, 21.3512, 22.8702



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.



75.6790, 80.2517, 84.1756



93.2800, 99.2270, 102.5155



74.8782, 79.8389, 84.1382



15.8426, 16.8997, 17.2245



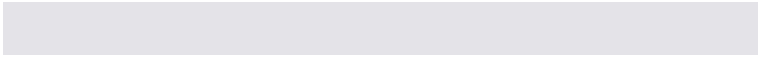
27.2914, 37.8507, 5.8675



2.0889, 2.8342, 0.4370

Inverse Universe

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



74.0326, 77.2605, 87.3589



90.4440, 94.0745, 107.9990



74.8311, 77.6722, 87.3963



15.2391, 15.8033, 18.3915



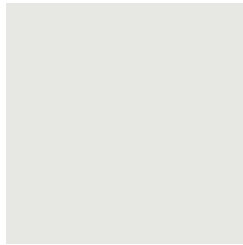
8.8077, 3.6064, 42.6151



0.7257, 0.3051, 3.1526

Previews

White Background



This preview shows how the XYZ color 75.6767, 80.2482, 84.1739 looks on a white background.

Color Contrast Check

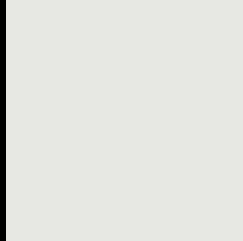
Large Text (above 18pt) WCAG AA × Fail

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 75.6767, 80.2482, 84.1739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

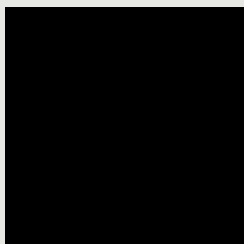
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

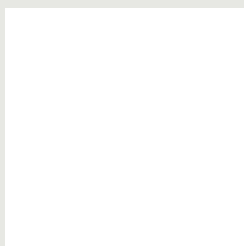
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6767, 80.2482, 84.1739

Background



This preview shows how black text looks on a background with the XYZ color 75.6767, 80.2482, 84.1739.



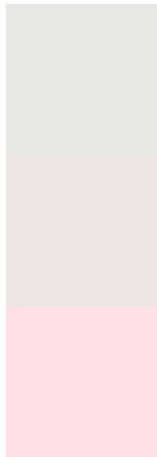
This preview shows how white text looks on a background with the XYZ color 75.6767, 80.2482,

84.1739.

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

75.6767, 80.2482, 84.1739

Protanopia

76.9493, 80.0891, 83.3546

Deuteranopia

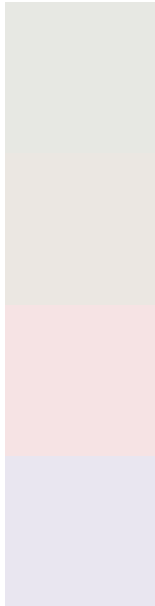
82.0385, 80.2285, 85.2905



Tritanopia

78.7395, 80.2464, 99.3348

Trichromacy



Original Color

75.6767, 80.2482, 84.1739

Protanomaly

76.5643, 80.3050, 83.4165

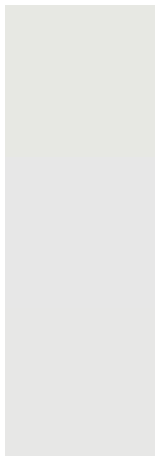
Deuteranomaly

79.4787, 80.1324, 84.6769

Tritanomaly

77.6293, 80.2085, 93.8284

Monochromacy



Original Color

75.6767, 80.2482, 84.1739

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8138, 79.8539, 86.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6767, 80.2482, 84.1739 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(231, 232, 227) looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 227)  
}
```

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(231, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 227) }
```

Border

The CSS property to change the border of an element to XYZ 75.6767, 80.2482, 84.1739 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(231, 232, 227) }
```


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

```
.border{ border-color:rgb(231, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6767, 80.2482, 84.1739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 227) }
```

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

```
.background{ background-color: rgb(231,  
232, 227) }
```

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