

Converting Colors

XYZ(71.7486, 75.0800, 75.7851)

Have a look what the booklet for
XYZ(71.7486, 75.0800, 75.7851)
contains.

XYZ(71.6835, 75.0922, 75.6819)	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(71.6835, 75.0922,
75.6819)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E0D8
RGB	230, 224, 216
RGB Percent	90%, 88%, 85%
CMY	0.0980, 0.1215, 0.1529
CMYK	0.00, 0.03, 0.06, 0.10
HSL	34°, 22%, 87%
HSV	34°, 6%, 90%
XYZ	71.6835, 75.0922, 75.6819
YIQ	224.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

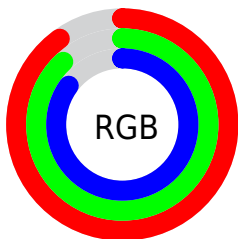
Format	Color
R_{YB}	227, 230, 216
Decimal	15130840
CIE Lab	89.44, 0.66, 4.62
CIE LCh	89, 4.670, 81.896
Yxy	75.0922, 0.3222, 0.3376
Android (android.graphics.Color)	4293320920 (0xFFE6E0D8)
YUV	224.8820, -4.3788, 4.4885
Hunter-Lab	86.6558, -3.9885, 8.8774

Details

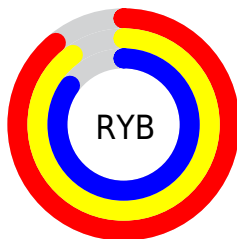
The XYZ color **71.6835, 75.0922, 75.6819** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7231, 72.5536, 85.2460**, and the grayscale version is **71.5125, 75.2367, 81.9327**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0765, 39.9478, 39.4221** is the 20% darker color. If you saturate the color by 10%, you get **66.3452, 68.8452, 60.2447**, and if you desaturate by 10%, it is **77.5957, 81.8190, 93.3657**.

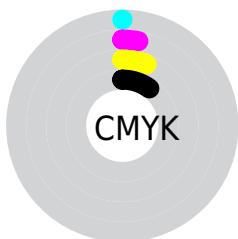
Distribution



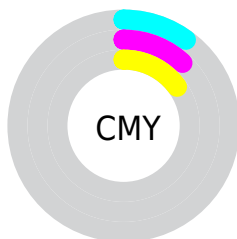
- Red (90%)
- Green (88%)
- Blue (85%)



- Red (89%)
- Yellow (90%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6835, 75.0922, 75.6819 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 71.6835, 75.0922, 75.6819 by changing the saturation by 10% instead.

■ 71.6835, 75.0922,
75.6819

■ 71.6835, 75.0922,
75.6819

455.6140,
478.2344, 499.5759

■ 53.1847, 55.6884,
55.6666

120.6197,
126.4429, 129.0331

■ 38.1783, 39.9532,
39.5335

151.7878,
159.1585, 163.2061

■ 26.2990, 27.5020,
26.8640

187.9097,
197.0803, 202.9355

■ 17.1813, 17.9506,
17.2396

229.3508,
240.5926, 248.6397

■ 10.4599, 10.9145,
10.2417

276.4764,
290.0797, 300.7373

■ 5.7695, 6.0094,
5.4518

329.6519,

■ 2.7448, 2.8508,

345.9262, 359.6468

2.4514

389.2426,
408.5163, 425.7868

■ 1.0203, 1.0543,
0.8142

■ 0.0000, 0.0000,
0.0000

■ 71.6835, 75.0922,
75.6819

■ 71.6835, 75.0922,
75.6819

■ 66.3452, 68.8452,
60.2447

■ 77.5957, 81.8190,
93.3657

■ 61.5547, 63.0562,
46.9577

■ 82.9460, 88.5681,
107.3314

■ 57.2931, 57.7159,
35.7249

■ 85.9849, 94.6460,
108.3444

■ 53.5379, 52.8108,
26.4409

■ 86.4436, 95.5632,
108.4972

■ 50.2645, 48.3268,
18.9909

■ 47.4463, 44.2485,
13.2480

■ 45.0532, 40.5591,
9.0687

■ 43.0505, 37.2400,
6.2856

■ 41.3959, 34.2691,
4.6912

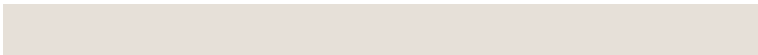
Harmonies

Analogous

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



72.7392, 75.0922, 76.9040



71.6835, 75.0922, 75.6819



70.5556, 75.0922, 76.0544

Triad

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



71.6835, 75.0922, 75.6819



69.3509, 75.0922, 84.1350



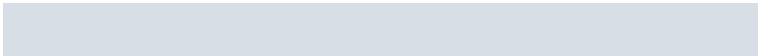
73.1182, 75.0922, 85.7129

Complementary

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



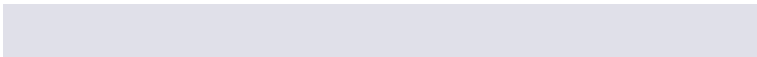
71.6835, 75.0922, 75.6819



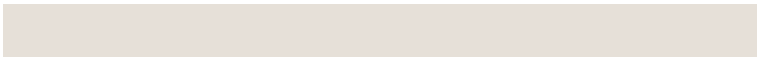
68.7231, 72.5536, 85.2460

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.



72.1965, 75.0922, 87.7495



71.6835, 75.0922, 75.6819



70.0238, 75.0922, 86.8217

Square

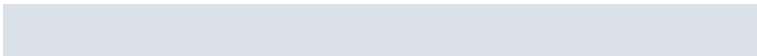
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6835, 75.0922, 75.6819



69.2168, 75.0922, 80.8776



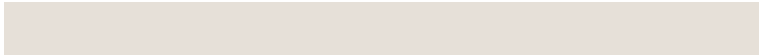
71.0632, 75.0922, 88.1607



73.5733, 75.0922, 82.6542

Rectangle

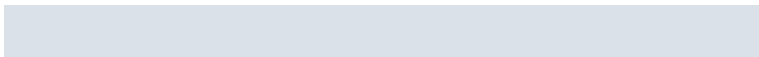
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6835, 75.0922, 75.6819



69.9138, 75.0922, 77.1615



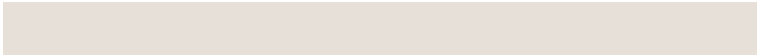
71.0632, 75.0922, 88.1607



72.8522, 75.0922, 86.5431

Sweetspot

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



71.6856, 75.0955, 75.6835



93.5468, 98.2902, 104.4017



70.3838, 71.2134, 79.1911



20.0387, 21.0561, 22.3934



0.0000, 0.0000, 0.0000



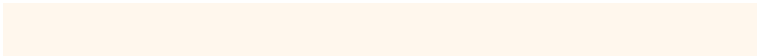
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6856, 75.0955, 75.6835



89.9175, 94.1222, 93.6640



73.0269, 78.2215, 76.2162



15.2812, 15.9889, 15.7995



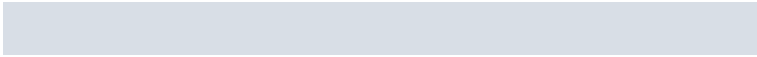
23.2315, 19.0372, 2.4501



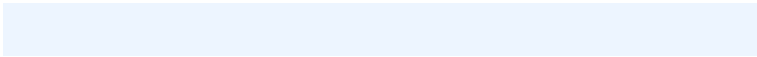
1.8085, 1.5903, 0.2116

Inverse Universe

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



68.7231, 72.5536, 85.2460



85.6155, 90.4311, 107.5503



67.4354, 69.5676, 84.7375



14.4953, 15.3146, 18.3364



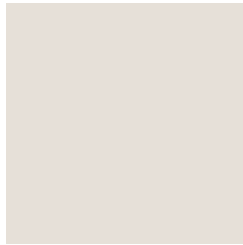
10.7016, 8.4653, 43.4531



0.8814, 0.8068, 3.2412

Previews

White Background



This preview shows how the XYZ color 71.6835, 75.0922, 75.6819 looks on a white background.

Color Contrast Check

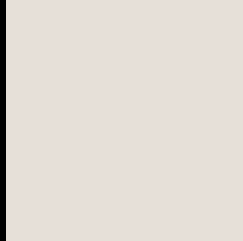
Large Text (above 18pt) WCAG AA × Fail

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 71.6835, 75.0922, 75.6819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

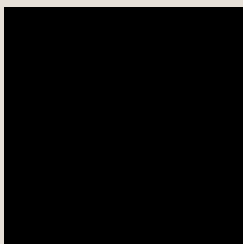
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

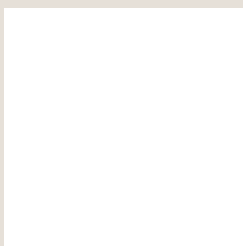
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6835, 75.0922, 75.6819

Background



This preview shows how black text looks on a background with the XYZ color 71.6835, 75.0922, 75.6819.

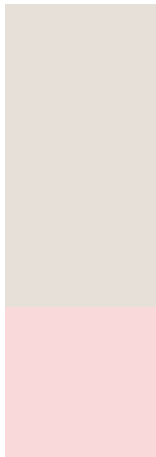


This preview shows how white text looks on a background with the XYZ color 71.6835, 75.0922,

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

71.6835, 75.0922, 75.6819

Protanopia

72.0053, 75.2581, 75.6969

Deuteranopia

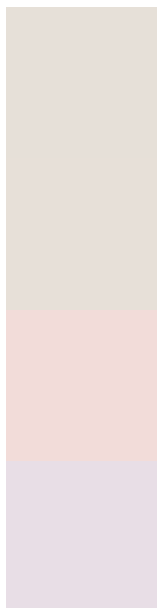
76.4042, 74.7752, 76.0518



Tritanopia

74.8933, 75.2096, 91.4585

Trichromacy



Original Color

71.6835, 75.0922, 75.6819

Protanomaly

72.0053, 75.2581, 75.6969

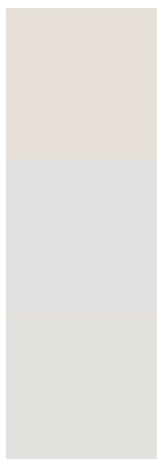
Deuteranomaly

74.7355, 75.0734, 76.1973

Tritanomaly

73.6829, 75.1115, 85.4774

Monochromacy



Original Color

71.6835, 75.0922, 75.6819

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.7886, 75.4552, 79.8879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6835, 75.0922, 75.6819 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(230, 224, 216) looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 216)  
}
```

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(230, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 216) }
```

Border

The CSS property to change the border of an element to XYZ 71.6835, 75.0922, 75.6819 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(230, 224, 216) }
```


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

```
.border{ border-color:rgb(230, 224, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6835, 75.0922, 75.6819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 216) }
```

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

```
.background{ background-color: rgb(230,  
224, 216) }
```

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