

Converting Colors

XYZ(70.8709, 75.6643, 75.6072)

Have a look what the booklet for
XYZ(70.8709, 75.6643, 75.6072)
contains.

XYZ(70.6424, 75.3581, 75.7881)	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(70.6424, 75.3581,
75.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E2D8
RGB	225, 226, 216
RGB Percent	88%, 89%, 85%
CMY	0.1176, 0.1137, 0.1529
CMYK	0.00, 0.00, 0.04, 0.11
HSL	66°, 15%, 87%
HSV	66°, 4%, 89%
XYZ	70.6424, 75.3581, 75.7881
YIQ	224.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

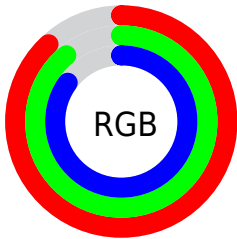
Format	Color
R_{YB}	216, 226, 217
Decimal	14803672
CIE Lab	89.56, -2.09, 4.75
CIE LCh	90, 5.194, 113.745
Yxy	75.3581, 0.3185, 0.3398
Android (android.graphics.Color)	4292993752 (0xFFE1E2D8)
YUV	224.5610, -4.2206, 0.3850
Hunter-Lab	86.8090, -6.6583, 9.0036

Details

The XYZ color **70.6424, 75.3581, 75.7881** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9014, 69.3565, 81.8164**, and the grayscale version is **71.2828, 74.9950, 81.6696**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5735, 40.2451, 39.5060** is the 20% darker color. If you saturate the color by 10%, you get **67.2177, 73.9095, 61.4102**, and if you desaturate by 10%, it is **74.4827, 76.9789, 92.2863**.

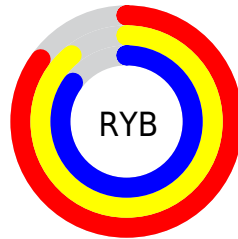
Distribution



Red (88%)

Green (89%)

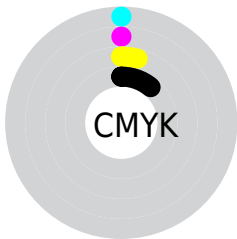
Blue (85%)



Red (85%)

Yellow (89%)

Blue (85%)

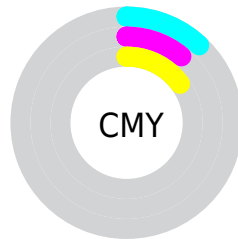


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6424, 75.3581, 75.7881 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 70.6424, 75.3581, 75.7881 by changing the saturation by 10% instead.

70.6424, 75.3581,
75.7881

70.6424, 75.3581,
75.7881

452.0337,
479.1475, 499.9495

52.3319, 55.9063,
55.7532

119.1457,
126.8191, 129.1847

37.4950, 40.1278,
39.6024

150.0692,
159.5972, 163.3834

25.7664, 27.6382,
26.9172

185.9278,
197.5861, 203.1404

16.7808, 18.0531,
17.2792

227.0867,
241.1703, 248.8743

10.1726, 10.9881,
10.2697

273.9114,
290.7341, 301.0037

5.5767, 6.0589,
5.4702

326.7673,

2.6276, 2.8809,

346.6620, 359.9469

2.4622

386.0196,
409.3383, 426.1227

■ 0.9601, 1.0699,
0.8200

■ 0.0000, 0.0000,
0.0000

■ 70.6424, 75.3581,
75.7881

■ 70.6424, 75.3581,
75.7881

■ 67.2177, 73.9095,
61.4102

■ 74.4827, 76.9789,
92.2863

■ 64.1858, 72.6167,
49.0620

■ 77.7326, 78.3622,
105.6362

■ 61.5316, 71.4760,
38.6533

■ 78.4633, 78.7389,
105.6704

■ 59.2361, 70.4799,
30.0854

■ 79.2035, 79.1204,
105.7050

■ 57.2789, 69.6202,
23.2508

■ 79.9533, 79.5069,
105.7401

■ 55.6375, 68.8878,
18.0311

■ 80.7126, 79.8984,
105.7757

■ 54.2865, 68.2727,
14.2928

■ 81.4815, 80.2948,
105.8116

■ 53.1966, 67.7631,
11.8813

■ 82.2600, 80.6961,
105.8481

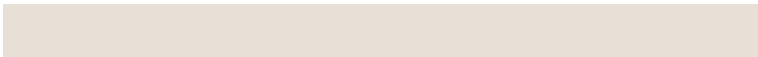
■ 52.3318, 67.3446,
10.6079

■ 83.0482, 81.1024,
105.8850

Harmonies

Analogous

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



71.8932, 75.3581, 75.2649



70.6424, 75.3581, 75.7881



69.6657, 75.3581, 77.9673

Triad

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



70.6424, 75.3581, 75.7881



70.1847, 75.3581, 87.8487



74.0918, 75.3581, 82.8200

Complementary

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



70.6424, 75.3581, 75.7881



66.9014, 69.3565, 81.8164

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.



73.6220, 75.3581, 86.2773



70.6424, 75.3581, 75.7881



71.3587, 75.3581, 89.2356

Square

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



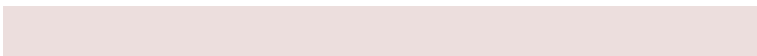
70.6424, 75.3581, 75.7881



69.4036, 75.3581, 84.9136



72.6179, 75.3581, 88.6522



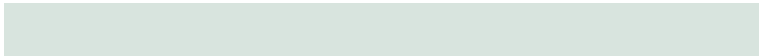
73.8945, 75.3581, 79.2557

Rectangle

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



70.6424, 75.3581, 75.7881



69.2964, 75.3581, 80.1013



72.6179, 75.3581, 88.6522



74.0065, 75.3581, 84.0344

Sweetspot

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



70.6445, 75.3614, 75.7897



94.5480, 99.7883, 106.7477



68.5740, 70.7543, 75.0096



20.2425, 21.3610, 22.8711



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.



70.6445, 75.3614, 75.7897



92.5954, 98.9640, 98.4231



69.1089, 74.5697, 75.7179



15.0119, 16.0757, 15.8028



29.6739, 38.3300, 5.8344



2.0965, 2.6773, 0.4063

Inverse Universe

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



66.9014, 69.3565, 81.8164



87.0217, 90.0222, 107.3972



68.4099, 70.1341, 81.8870



13.9961, 14.4460, 17.4384



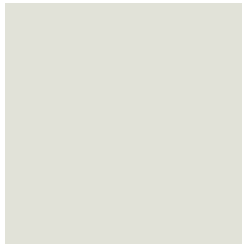
8.0746, 3.2579, 41.2516



0.6037, 0.2485, 2.8614

Previews

White Background



This preview shows how the XYZ color 70.6424, 75.3581, 75.7881 looks on a white background.

Color Contrast Check

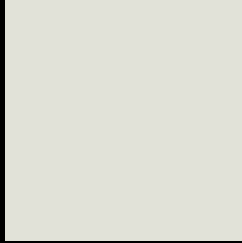
Large Text (above 18pt) WCAG AA × Fail

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 70.6424, 75.3581, 75.7881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

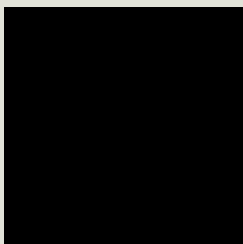
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

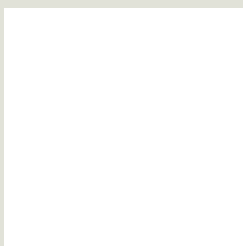
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6424, 75.3581, 75.7881

Background



This preview shows how black text looks on a background with the XYZ color 70.6424, 75.3581, 75.7881.

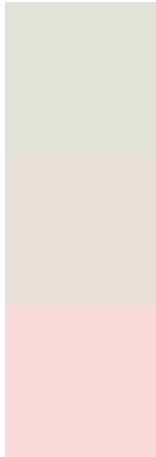


This preview shows how white text looks on a background with the XYZ color 70.6424, 75.3581,

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

70.6424, 75.3581, 75.7881

Protanopia

71.8764, 75.2065, 75.0180

Deuteranopia

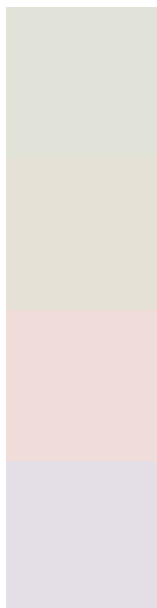
76.7932, 75.3445, 76.8252



Tritanopia

74.1626, 75.1918, 93.0428

Trichromacy



Original Color

70.6424, 75.3581, 75.7881

Protanomaly

71.5041, 75.4147, 75.0778

Deuteranomaly

74.3160, 75.2479, 76.2531

Tritanomaly

72.8064, 75.0389, 86.2479

Monochromacy



Original Color

70.6424, 75.3581, 75.7881

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.1614, 75.1319, 79.8585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6424, 75.3581, 75.7881 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(225, 226, 216) looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 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(225, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 216) }
```

Border

The CSS property to change the border of an element to XYZ 70.6424, 75.3581, 75.7881 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(225, 226, 216) }
```


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

```
.border{ border-color:rgb(225, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 216);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6424, 75.3581, 75.7881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 216) }
```

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

```
.background{ background-color: rgb(225,  
226, 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