

Converting Colors

XYZ(72.0380, 75.9327, 64.7280)

Have a look what the booklet for
XYZ(72.0380, 75.9327, 64.7280)
contains.

XYZ(72.1591, 75.9785, 64.8950)	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(72.1591, 75.9785,
64.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE1C7
RGB	237, 225, 199
RGB Percent	93%, 88%, 78%
CMY	0.0706, 0.1176, 0.2196
CMYK	0.00, 0.05, 0.16, 0.07
HSL	41°, 51%, 85%
HSV	41°, 16%, 93%
XYZ	72.1591, 75.9785, 64.8950
YIQ	225.6240, 15.4980, -5.5420

Conversions

Conversions Part 2

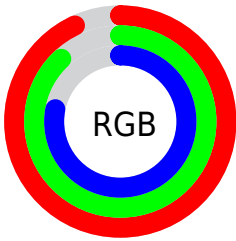
Format	Color
R _Y B	217, 237, 199
Decimal	15589831
CIE Lab	89.85, -0.12, 14.19
CIE LCh	90, 14.188, 90.478
Yxy	75.9785, 0.3387, 0.3567
Android (android.graphics.Color)	4293779911 (0xFFEDE1C7)
YUV	225.6240, -13.1256, 9.9768
Hunter-Lab	87.1656, -4.7707, 16.8744

Details

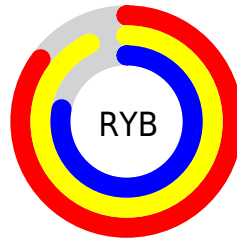
The XYZ color **72.1591, 75.9785, 64.8950** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.1333, 64.8438, 89.3627**, and the grayscale version is **72.1029, 75.8579, 82.6092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5416, 40.6175, 32.5967** is the 20% darker color. If you saturate the color by 10%, you get **67.6412, 71.0083, 50.8539**, and if you desaturate by 10%, it is **77.1984, 81.3042, 81.2260**.

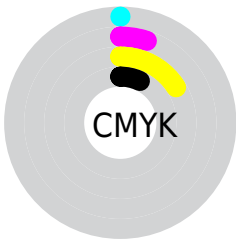
Distribution



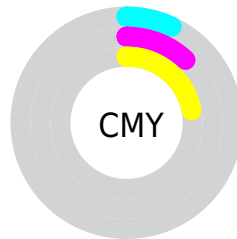
- Red (93%)
- Green (88%)
- Blue (78%)



- Red (85%)
- Yellow (93%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (7%)



- Cyan (7%)
- Magenta (12%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1591, 75.9785, 64.8950 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 72.1591, 75.9785, 64.8950 by changing the saturation by 10% instead.

72.1591, 75.9785,
64.8950

72.1591, 75.9785,
64.8950

457.2442,
481.2741, 460.7104

53.5746, 56.4149,
46.9251

121.2923,
127.6965, 113.5107

38.4910, 40.5357,
32.6226

152.5717,
160.6197, 144.9937

26.5429, 27.9564,
21.5687

188.8134,
198.7649, 181.8180

17.3650, 18.2928,
13.3451

230.3827,
242.5164, 224.4024

10.5920, 11.1604,
7.5331

277.6452,
292.2587, 273.1653

5.8585, 6.1748,
3.7142

330.9660,

2.7990, 2.9517,

348.3761, 328.5252

1.4699

390.7105,
411.2531, 390.9007

■ 1.0484, 1.1066,
0.1954

■ 0.0000, 0.0000,
0.0000

■ 72.1591, 75.9785,
64.8950

■ 72.1591, 75.9785,
64.8950

■ 67.6412, 71.0083,
50.8539

■ 77.1984, 81.3042,
81.2260

■ 63.6175, 66.3732,
38.9933

■ 82.7725, 86.9848,
99.9398

■ 60.0678, 62.0659,
29.2021

■ 86.3738, 92.0216,
107.8173

■ 56.9675, 58.0746,
21.3575

■ 88.7133, 96.7006,
108.5971

■ 54.2897, 54.3868,
15.3233

■ 88.7353, 96.7447,
108.6045

■ 52.0040, 50.9883,
10.9458

■ 50.0753, 47.8631,
8.0455

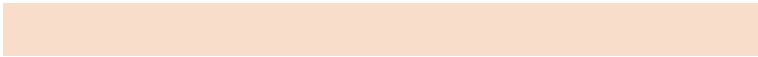
■ 48.4600, 44.9917,
6.4001

■ 47.8788, 43.9116,
5.9523

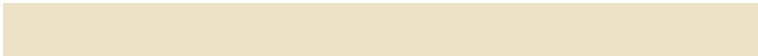
Harmonies

Analogous

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



75.5861, 75.9785, 67.0485



72.1591, 75.9785, 64.8950



68.8518, 75.9785, 67.1885

Triad

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



72.1591, 75.9785, 64.8950



66.5634, 75.9785, 92.9049



78.2377, 75.9785, 92.6040

Complementary

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



72.1591, 75.9785, 64.8950



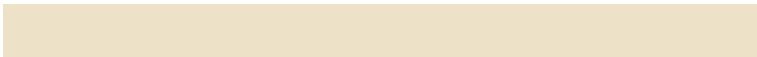
62.1333, 64.8438, 89.3627

Split Complementary

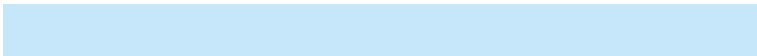
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6865, 75.9785, 100.4950



72.1591, 75.9785, 64.8950



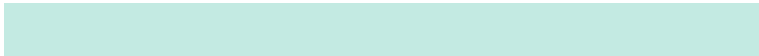
68.9462, 75.9785, 100.6784

Square

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



72.1591, 75.9785, 64.8950



65.6858, 75.9785, 82.8887



72.2715, 75.9785, 103.5601



79.1637, 75.9785, 82.5668

Rectangle

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



72.1591, 75.9785, 64.8950



67.1421, 75.9785, 71.0467



72.2715, 75.9785, 103.5601



77.5378, 75.9785, 95.6236

Sweetspot

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



72.1611, 75.9819, 64.8966



91.7941, 96.6648, 98.0215



67.1114, 63.5573, 70.3815



19.5525, 20.5917, 20.6657



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

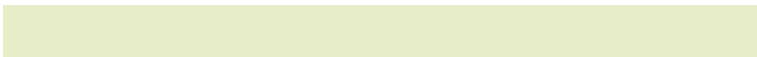
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1611, 75.9819, 64.8966



83.5211, 87.8902, 71.3059



73.2376, 81.5211, 65.9091



15.9277, 16.7784, 15.9178



26.2628, 24.2198, 3.2907



2.1479, 2.0731, 0.2869

Inverse Universe

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



62.1333, 64.8438, 89.3627



69.7364, 72.5804, 104.9417



61.1548, 60.0794, 88.4947



14.6192, 15.3249, 19.1097



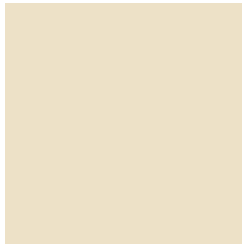
9.8162, 6.2795, 44.4377



0.8543, 0.6601, 3.5173

Previews

White Background



This preview shows how the XYZ color 72.1591, 75.9785, 64.8950 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 72.1591, 75.9785, 64.8950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

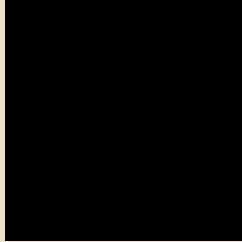
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

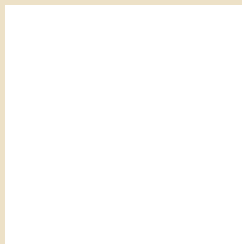
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1591, 75.9785, 64.8950

Background



This preview shows how black text looks on a background with the XYZ color 72.1591, 75.9785, 64.8950.



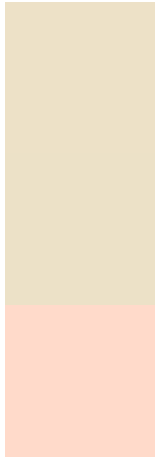
This preview shows how white text looks on a background with the XYZ color 72.1591, 75.9785,

64.8950.

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

72.1591, 75.9785, 64.8950

Protanopia

71.8261, 75.8068, 64.8794

Deuteranopia

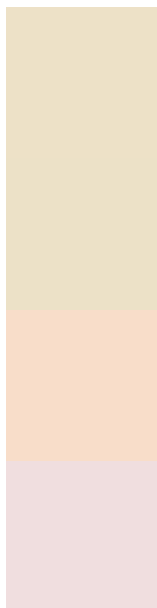
76.9721, 75.6671, 66.4255



Tritanopia

77.4972, 76.1781, 90.7401

Trichromacy



Original Color

72.1591, 75.9785, 64.8950

Protanomaly

71.8261, 75.8068, 64.8794

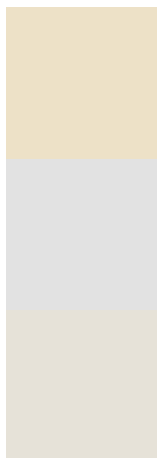
Deuteranomaly

75.1105, 75.8864, 65.9471

Tritanomaly

75.3757, 76.0955, 80.5272

Monochromacy



Original Color

72.1591, 75.9785, 64.8950

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.2242, 76.1736, 75.8621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1591, 75.9785, 64.8950 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(237, 225, 199)` looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 199)  
}
```

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(237, 225, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 199) }
```

Border

The CSS property to change the border of an element to XYZ 72.1591, 75.9785, 64.8950 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(237, 225, 199) }
```


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

```
.border{ border-color:rgb(237, 225, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 225, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 225, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 225, 199);  
box-shadow:4px 4px 4px 4px rgb(237, 225,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1591, 75.9785, 64.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 199) }
```

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

```
.background{ background-color: rgb(237,  
225, 199) }
```

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