

Converting Colors

XYZ(72.2603, 74.9456, 63.4967)

Have a look what the booklet for
XYZ(72.2603, 74.9456, 63.4967)
contains.

XYZ(72.1345, 74.7990, 63.4591)	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(72.1345, 74.7990,
63.4591)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DEC5
RGB	240, 222, 197
RGB Percent	94%, 87%, 77%
CMY	0.0588, 0.1294, 0.2274
CMYK	0.00, 0.07, 0.18, 0.06
HSL	35°, 59%, 86%
HSV	35°, 18%, 94%
XYZ	72.1345, 74.7990, 63.4591
YIQ	224.5320, 18.7530, -3.9590

Conversions

Conversions Part 2

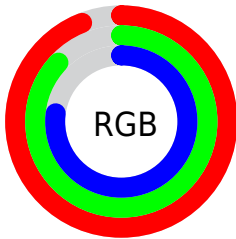
Format	Color
R _Y B	228, 240, 197
Decimal	15785669
CIE Lab	89.30, 2.20, 14.49
CIE LCh	89, 14.655, 81.354
Yxy	74.7990, 0.3429, 0.3555
Android (android.graphics.Color)	4293975749 (0xFFF0DEC5)
YUV	224.5320, -13.5733, 13.5654
Hunter-Lab	86.4864, -2.4723, 17.0367

Details

The XYZ color **72.1345, 74.7990, 63.4591** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0543, 66.7611, 92.0015**, and the grayscale version is **71.3187, 75.0328, 81.7107**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.5438, 39.8110, 31.6394** is the 20% darker color. If you saturate the color by 10%, you get **67.0124, 68.6105, 49.2472**, and if you desaturate by 10%, it is **77.8575, 81.4872, 80.0330**.

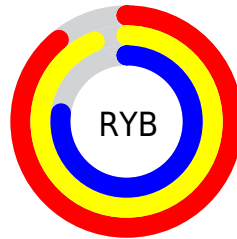
Distribution



Red (94%)

Green (87%)

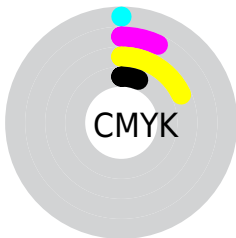
Blue (77%)



Red (89%)

Yellow (94%)

Blue (77%)

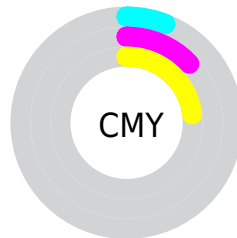


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1345, 74.7990, 63.4591 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 72.1345, 74.7990, 63.4591 by changing the saturation by 10% instead.

72.1345, 74.7990,
63.4591

72.1345, 74.7990,
63.4591

457.1600,
477.2264, 455.3875

53.5544, 55.4482,
45.7693

121.2575,
126.0278, 111.4235

38.4748, 39.7607,
31.7165

152.5311,
158.6746, 142.5353

26.5303, 27.3520,
20.8820

188.7666,
196.5223, 178.9582

17.3555, 17.8378,
12.8474

230.3294,
239.9551, 221.1106

10.5852, 10.8336,
7.1940

277.5848,
289.3575, 269.4112

5.8539, 5.9550,
3.5035

330.8981,

2.7962, 2.8178,

345.1140, 324.2786

1.3571

390.6347,
407.6088, 386.1311

■ 1.0469, 1.0373,
0.1079

■ 0.0000, 0.0000,
0.0000

■ 72.1345, 74.7990,
63.4591

■ 72.1345, 74.7990,
63.4591

■ 67.0124, 68.6105,
49.2472

■ 77.8575, 81.4872,
80.0330

■ 62.4617, 62.8979,
37.2829

■ 84.1972, 88.6782,
99.0667

■ 58.4592, 57.6501,
27.4490

■ 88.8391, 95.4527,
108.3496

■ 54.9776, 52.8513,
19.6160

■ 89.7454, 97.2654,
108.6518

■ 51.9869, 48.4849,
13.6400

■ 49.4530, 44.5323,
9.3575

■ 47.3365, 40.9727,
6.5761

■ 45.5845, 37.7796,
5.0332

■ 45.2495, 37.1536,
4.7864

Harmonies

Analogous

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



75.4823, 74.7990, 66.9900



72.1345, 74.7990, 63.4591



68.6159, 74.7990, 64.4207

Triad

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



72.1345, 74.7990, 63.4591



64.8712, 74.7990, 88.8384



76.6097, 74.7990, 94.3920

Complementary

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



72.1345, 74.7990, 63.4591



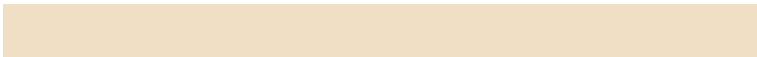
63.0543, 66.7611, 92.0015

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.



73.6315, 74.7990, 101.2281



72.1345, 74.7990, 63.4591



66.8795, 74.7990, 97.8392

Square

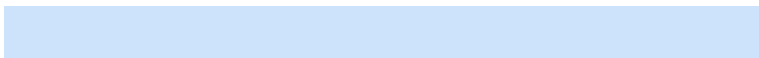
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1345, 74.7990, 63.4591



64.5007, 74.7990, 78.5143



70.0640, 74.7990, 102.5400



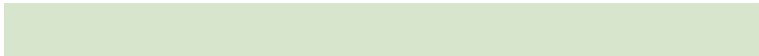
78.1224, 74.7990, 84.4444

Rectangle

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



72.1345, 74.7990, 63.4591



66.6404, 74.7990, 67.5174



70.0640, 74.7990, 102.5400



75.7421, 74.7990, 97.1636

Sweetspot

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



72.1365, 74.8023, 63.4607



91.3859, 95.8485, 97.8855



68.2496, 63.3977, 73.3582



19.4532, 20.3932, 20.6326



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.



72.1365, 74.8023, 63.4607



80.8585, 83.5439, 67.4002



76.2084, 84.3795, 65.0947



16.5364, 17.2859, 16.6147



24.9046, 20.6073, 2.6650



2.1699, 1.9105, 0.2544

Inverse Universe

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



63.0543, 66.7611, 92.0015



68.8767, 72.9363, 105.0557



59.4792, 58.4859, 90.5927



15.4408, 16.3158, 20.0570



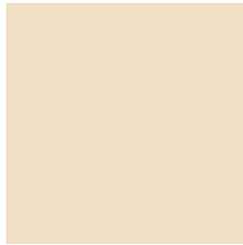
11.2523, 8.7288, 46.2196



1.0322, 0.9184, 3.8771

Previews

White Background



This preview shows how the XYZ color 72.1345, 74.7990, 63.4591 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 72.1345, 74.7990, 63.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

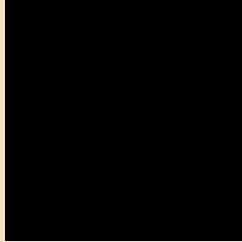
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1345, 74.7990, 63.4591

Background



This preview shows how black text looks on a background with the XYZ color 72.1345, 74.7990, 63.4591.



This preview shows how white text looks on a background with the XYZ color 72.1345, 74.7990,

63.4591.

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

72.1345, 74.7990, 63.4591

Protanopia

71.1096, 75.0507, 64.1644

Deuteranopia

76.1047, 74.4953, 64.4007



Tritanopia

77.3203, 74.9787, 88.2390

Trichromacy



Original Color

72.1345, 74.7990, 63.4591

Protanomaly

71.5058, 74.8571, 64.1062

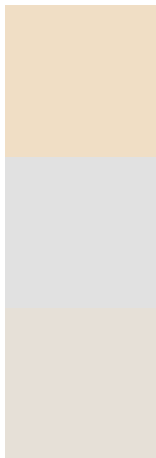
Deuteranomaly

74.6888, 74.5440, 63.8780

Tritanomaly

75.3448, 74.9382, 78.9000

Monochromacy



Original Color

72.1345, 74.7990, 63.4591

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.5545, 75.0406, 75.0029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1345, 74.7990, 63.4591 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(240, 222, 197)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 197)  
}
```

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(240, 222, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 197) }
```

Border

The CSS property to change the border of an element to XYZ 72.1345, 74.7990, 63.4591 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(240, 222, 197) }
```


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

```
.border{ border-color:rgb(240, 222, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 222, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 222, 197); box-shadow:4px 4px 4px 4px rgb(240, 222, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1345, 74.7990, 63.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 197) }
```

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

```
.background{ background-color: rgb(240,  
222, 197) }
```

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