

Converting Colors

XYZ(67.9739, 72.2510, 48.7620)

Have a look what the booklet for
XYZ(67.9739, 72.2510, 48.7620)
contains.

XYZ(67.8689, 72.1312, 48.8737)	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(67.8689, 72.1312,
48.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	EDDCAB
RGB	237, 220, 171
RGB Percent	93%, 86%, 67%
CMY	0.0706, 0.1372, 0.3294
CMYK	0.00, 0.07, 0.28, 0.07
HSL	45°, 65%, 80%
HSV	45°, 28%, 93%
XYZ	67.8689, 72.1312, 48.8737
YIQ	219.4970, 25.8610, -11.6350

Conversions

Conversions Part 2

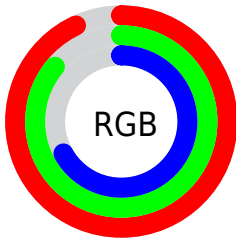
Format	Color
RYB	194, 237, 171
Decimal	15588523
CIELab	88.03, -1.51, 26.23
CIELCh	88, 26.275, 93.291
Yxy	72.1312, 0.3593, 0.3819
Android (android.graphics.Color)	4293778603 (0xFFEDDCAB)
YUV	219.4970, -23.9090, 15.3501
Hunter-Lab	84.9301, -5.9856, 25.3322

Details

The XYZ color **67.8689, 72.1312, 48.8737** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0635, 50.7373, 87.2755**, and the grayscale version is **67.8272, 71.3595, 77.7105**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **35.5475, 37.9216, 22.5856** is the 20% darker color. If you saturate the color by 10%, you get **64.2374, 68.1649, 37.4996**, and if you desaturate by 10%, it is **71.9677, 76.3830, 62.4035**.

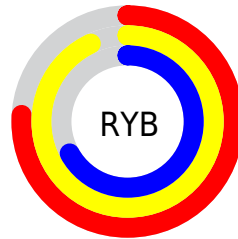
Distribution



Red (93%)

Green (86%)

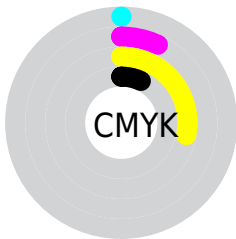
Blue (67%)



Red (76%)

Yellow (93%)

Blue (67%)

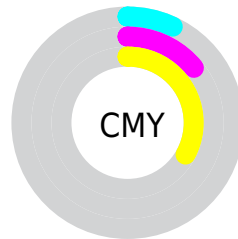


Cyan (0%)

Magenta (7%)

Yellow (28%)

Black (7%)



Cyan (7%)

Magenta (14%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8689, 72.1312, 48.8737 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 67.8689, 72.1312, 48.8737 by changing the saturation by 10% instead.

67.8689, 72.1312,
48.8737

67.8689, 72.1312,
48.8737

442.4154,
467.9981, 398.8531

50.0644, 53.2659,
34.1544

115.2075,
122.2430, 89.8829

35.6826, 38.0150,
22.7339

145.4723,
154.2583, 117.0099

24.3581, 25.9944,
14.1937

180.6213,
191.4257, 149.1098

15.7256, 16.8194,
8.1152

221.0197,
234.1296, 186.6013

9.4198, 10.1058,
4.0799

267.0329,
282.7544, 229.9028

5.0753, 5.4692,
1.6693

319.0264,

2.3267, 2.5251,

337.6845, 279.4329

0.3396

377.3655,
399.3043, 335.6101

■ 0.8083, 0.8892,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8689, 72.1312,
48.8737

■ 67.8689, 72.1312,
48.8737

■ 64.2374, 68.1649,
37.4996

■ 71.9677, 76.3830,
62.4035

■ 61.0454, 64.4644,
28.1625

■ 76.5488, 80.9198,
78.1903

■ 58.2704, 61.0223,
20.7390

■ 81.6334, 85.7535,
96.3342

■ 55.8855, 57.8268,
15.0905

■ 85.4512, 90.1768,
107.5098

■ 53.8601, 54.8647,
11.0596

■ 87.3222, 93.9188,
108.1335

■ 52.1586, 52.1206,
8.4608

■ 88.7351, 96.7446,
108.6045

■ 50.7321, 49.5739,
7.0413

■ 50.4454, 49.0451,
6.8079

Harmonies

Analogous

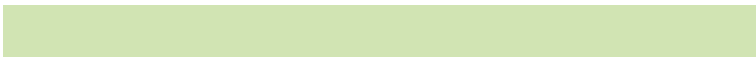
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1192, 72.1312, 51.5644



67.8689, 72.1312, 48.8737



62.1538, 72.1312, 53.0759

Triad

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



67.8689, 72.1312, 48.8737



58.9699, 72.1312, 99.0485



79.8979, 72.1312, 95.0956

Complementary

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



67.8689, 72.1312, 48.8737



50.0635, 50.7373, 87.2755

Split Complementary

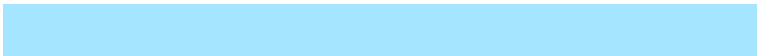
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3889, 72.1312, 111.0671



67.8689, 72.1312, 48.8737



63.2832, 72.1312, 113.5826

Square

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



67.8689, 72.1312, 48.8737



57.2167, 72.1312, 80.5371



69.2528, 72.1312, 118.2827



81.3082, 72.1312, 76.5735

Rectangle

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



67.8689, 72.1312, 48.8737



59.3435, 72.1312, 59.6609



69.2528, 72.1312, 118.2827



78.6814, 72.1312, 101.0296

Sweetspot

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



67.8708, 72.1345, 48.8752



90.2847, 95.4492, 91.9596



58.6305, 50.7879, 54.6305



19.1421, 20.2523, 19.0445



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.



67.8708, 72.1345, 48.8752



77.8094, 82.6605, 50.3072



67.6371, 78.9754, 50.2080



16.0046, 16.9322, 15.9434



27.6525, 26.9993, 3.7539



2.2480, 2.2734, 0.3203

Inverse Universe

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



50.0635, 50.7373, 87.2755



53.7755, 53.7883, 102.1556



50.1967, 45.7304, 86.3021



14.5465, 15.1794, 19.0855



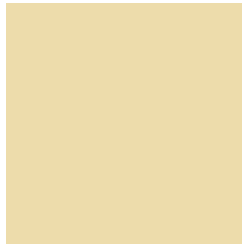
9.3470, 5.3410, 44.2812



0.8095, 0.5706, 3.5023

Previews

White Background



This preview shows how the XYZ color 67.8689, 72.1312, 48.8737 looks on a white background.

Color Contrast Check

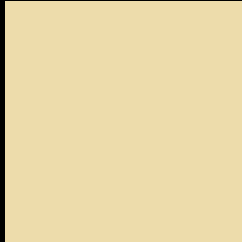
Large Text (above 18pt) WCAG AA × Fail

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 67.8689, 72.1312, 48.8737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

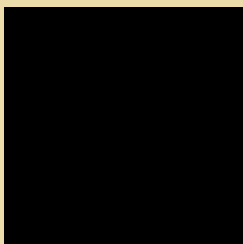
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

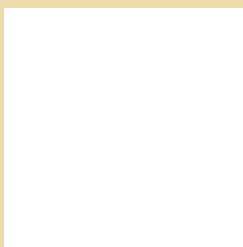
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8689, 72.1312, 48.8737

Background



This preview shows how black text looks on a background with the XYZ color 67.8689, 72.1312, 48.8737.

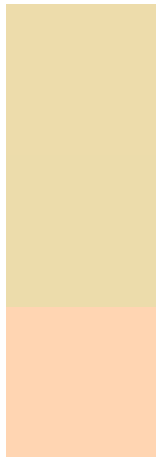


This preview shows how white text looks on a background with the XYZ color 67.8689, 72.1312, 48.8737.

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

67.8689, 72.1312, 48.8737

Protanopia

67.5360, 71.9595, 48.8581

Deuteranopia

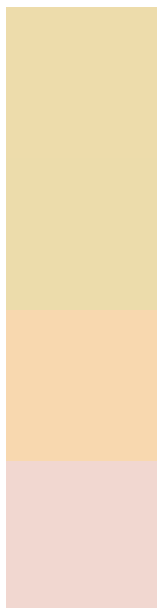
73.0701, 72.0629, 52.1778



Tritanopia

74.9946, 71.9772, 84.0691

Trichromacy



Original Color

67.8689, 72.1312, 48.8737

Protanomaly

67.5360, 71.9595, 48.8581

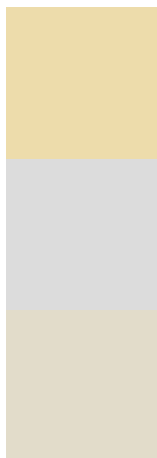
Deuteranomaly

71.0051, 72.1633, 50.7440

Tritanomaly

71.9612, 71.8557, 69.7513

Monochromacy



Original Color

67.8689, 72.1312, 48.8737

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6179, 71.6194, 66.1372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8689, 72.1312, 48.8737 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, 220, 171)` looks like.

```
.text, #text, p{  
    color:rgb(237, 220, 171)  
}
```

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, 220, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 220, 171) }
```

Border

The CSS property to change the border of an element to XYZ 67.8689, 72.1312, 48.8737 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, 220, 171) }
```


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

```
.border{ border-color:rgb(237, 220, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 220, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 220, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 220, 171);  
box-shadow:4px 4px 4px 4px rgb(237, 220,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8689, 72.1312, 48.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 220, 171) }
```

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

```
.background{ background-color: rgb(237,  
220, 171) }
```

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](#).

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