

Converting Colors

XYZ(67.8286, 72.8833, 49.5227)

Have a look what the booklet for
XYZ(67.8286, 72.8833, 49.5227)
contains.

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Color

**XYZ(67.8286, 72.8833,
49.5227)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDEAC
RGB	235, 222, 172
RGB Percent	92%, 87%, 67%
CMY	0.0784, 0.1294, 0.3255
CMYK	0.00, 0.06, 0.27, 0.08
HSL	48°, 61%, 80%
HSV	48°, 27%, 92%
XYZ	67.8286, 72.8833, 49.5227
YIQ	220.1870, 23.7980, -12.7940

Conversions

Conversions Part 2

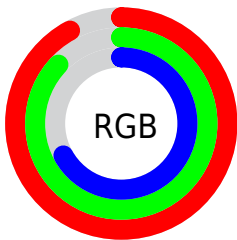
Format	Color
RYB	188, 235, 172
Decimal	15457964
CIELab	88.39, -3.15, 26.18
CIELCh	88, 26.367, 96.862
Yxy	72.8833, 0.3566, 0.3831
Android (android.graphics.Color)	4293648044 (0xFFEBDEAC)
YUV	220.1870, -23.7562, 12.9910
Hunter-Lab	85.3717, -7.5806, 25.3671

Details

The XYZ color **67.8286, 72.8833, 49.5227** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.3573, 49.4654, 85.5438**, and the grayscale version is **68.3087, 71.8661, 78.2622**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **35.7389, 38.5530, 23.0106** is the 20% darker color. If you saturate the color by 10%, you get **64.5000, 69.5239, 38.2457**, and if you desaturate by 10%, it is **71.5972, 76.4830, 62.9170**.

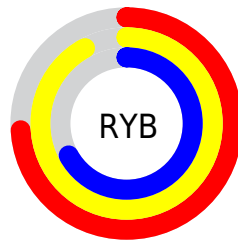
Distribution



Red (92%)

Green (87%)

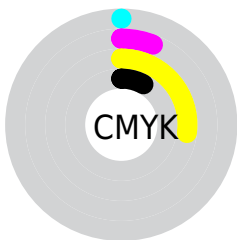
Blue (67%)



Red (74%)

Yellow (92%)

Blue (67%)

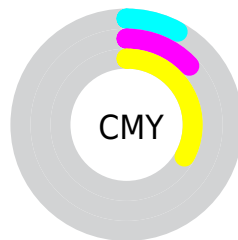


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (8%)



Cyan (8%)


Magenta (13%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8286, 72.8833, 49.5227 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 67.8286, 72.8833, 49.5227 by changing the saturation by 10% instead.


 67.8286, 72.8833,
49.5227

 67.8286, 72.8833,
49.5227

442.2748,
470.6102, 401.4779

 50.0315, 53.8805,
34.6658


 115.1502,
123.3115, 90.8563

 35.6563, 38.5062,
23.1240


145.4053,
155.5058, 118.1700

 24.3377, 26.3758,
14.4790


180.5439,
192.8660, 150.4732

 15.7104, 17.1050,
8.3120

220.9311,
235.7766, 188.1842

 9.4090, 10.3094,
4.2046

266.9325,
284.6219, 231.7216

 5.0682, 5.6046,
1.7383

318.9133,

 2.3225, 2.6061,

339.7863, 281.5040

0.3867

377.2390,
401.6543, 337.9499

■ 0.8061, 0.9298,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8286, 72.8833,
49.5227

■ 67.8286, 72.8833,
49.5227

■ 64.5000, 69.5239,
38.2457

■ 71.5972, 76.4830,
62.9170

■ 61.5843, 66.3859,
28.9706

■ 75.8198, 80.3215,
78.5267

■ 59.0602, 63.4627,
21.5780

■ 80.5169, 84.4099,
96.4494

■ 56.9019, 60.7436,
15.9337

■ 83.8833, 88.0267,
107.1775

■ 55.0803, 58.2165,
11.8860

■ 85.3404, 90.9410,
107.6632

■ 53.5613, 55.8670,
9.2569

■ 86.8360, 93.9322,
108.1617

■ 52.3015, 53.6775,
7.8196

■ 88.0710, 96.4022,
108.5734

■ 51.9315, 53.0031,
7.4935

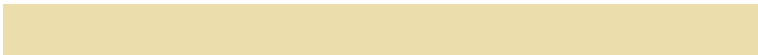
Harmonies

Analogous

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



74.1698, 72.8833, 51.4126



67.8286, 72.8833, 49.5227



62.2218, 72.8833, 54.5959

Triad

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



67.8286, 72.8833, 49.5227



59.9796, 72.8833, 102.1722



81.0860, 72.8833, 93.8665

Complementary

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



67.8286, 72.8833, 49.5227



49.3573, 49.4654, 85.5438

Split Complementary

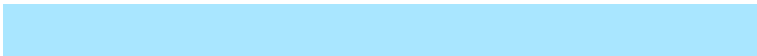
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8386, 72.8833, 110.6605



67.8286, 72.8833, 49.5227



64.5974, 72.8833, 115.9433

Square

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



67.8286, 72.8833, 49.5227



57.8724, 72.8833, 83.5978



70.7386, 72.8833, 119.2652



82.0812, 72.8833, 75.2632

Rectangle

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



67.8286, 72.8833, 49.5227



59.5683, 72.8833, 61.7778



70.7386, 72.8833, 119.2652



79.9792, 72.8833, 99.9910

Sweetspot

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



67.8305, 72.8866, 49.5242



90.6100, 96.0997, 92.0680



57.8399, 50.6984, 52.9977



19.2244, 20.4169, 19.0720



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.



67.8305, 72.8866, 49.5242



79.4454, 85.5402, 52.0621



65.8151, 77.1702, 50.4573



16.0728, 17.0686, 15.9662



28.9966, 29.6874, 4.2020



2.3433, 2.4638, 0.3521

Inverse Universe

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



49.3573, 49.4654, 85.5438



53.8357, 53.0770, 102.0152



50.9465, 46.4320, 84.8745



14.4829, 15.0522, 19.0643



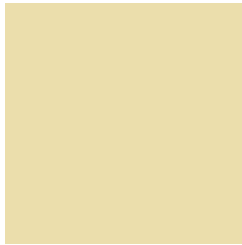
9.0179, 4.6829, 44.1716



0.7755, 0.5025, 3.4910

Previews

White Background



This preview shows how the XYZ color 67.8286, 72.8833, 49.5227 looks on a white background.

Color Contrast Check

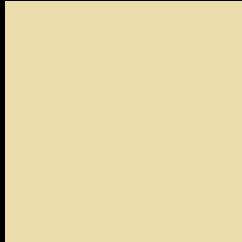
Large Text (above 18pt) WCAG AA × Fail

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 67.8286, 72.8833, 49.5227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

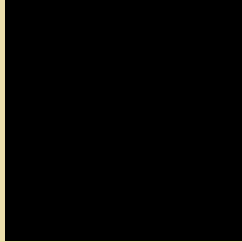
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8286, 72.8833, 49.5227

Background



This preview shows how black text looks on a background with the XYZ color 67.8286, 72.8833, 49.5227.



This preview shows how white text looks on a background with the XYZ color 67.8286, 72.8833,

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

67.8286, 72.8833, 49.5227

Protanopia

68.2279, 72.6960, 49.4655

Deuteranopia

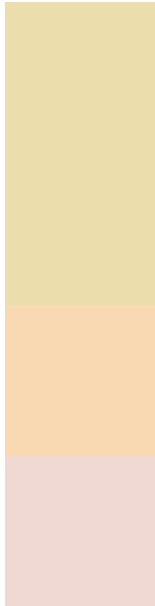
73.6271, 72.6893, 53.8659



Tritanopia

75.0883, 72.7399, 85.6839

Trichromacy



Original Color

67.8286, 72.8833, 49.5227

Protanomaly

67.8949, 72.5243, 49.4499

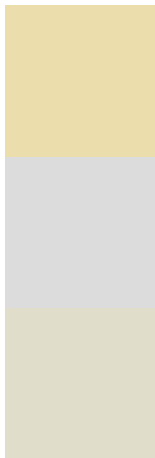
Deuteranomaly

71.5601, 72.7965, 52.3990

Tritanomaly

72.0423, 72.6296, 71.1946

Monochromacy



Original Color

67.8286, 72.8833, 49.5227

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6873, 72.0323, 66.8360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8286, 72.8833, 49.5227 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(235, 222, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 222, 172)  
}
```

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(235, 222, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 222, 172) }
```

Border

The CSS property to change the border of an element to XYZ 67.8286, 72.8833, 49.5227 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(235, 222, 172) }
```


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

```
.border{ border-color:rgb(235, 222, 172) }
```

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

Here you see how a box with a 4 pixel rgb(235, 222, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 222, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 222, 172);  
box-shadow:4px 4px 4px 4px rgb(235, 222,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8286, 72.8833, 49.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 222, 172) }
```

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

```
.background{ background-color: rgb(235,  
222, 172) }
```

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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