

Converting Colors

XYZ(50.9818, 47.7257, 28.7230)

Have a look what the booklet for
XYZ(50.9818, 47.7257, 28.7230)
contains.

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Color

**XYZ(50.9811, 47.6925,
28.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	E4AC85
RGB	228, 172, 133
RGB Percent	89%, 67%, 52%
CMY	0.1059, 0.3255, 0.4784
CMYK	0.00, 0.25, 0.42, 0.11
HSL	25°, 64%, 71%
HSV	25°, 42%, 89%
XYZ	50.9811, 47.6925, 28.7089
YIQ	184.2980, 45.8950, -0.2570

Conversions

Conversions Part 2

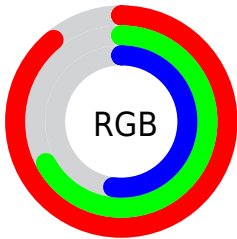
Format	Color
R_{YB}	228, 199, 133
Decimal	14986373
CIE _{Lab}	74.63, 15.60, 28.01
CIE _{LCh}	75, 32.064, 60.885
Yxy	47.6925, 0.4002, 0.3744
Android (android.graphics.Color)	4293176453 (0xFFE4AC85)
YUV	184.2980, -25.2899, 38.3267
Hunter-Lab	69.0598, 10.9172, 23.6943

Details

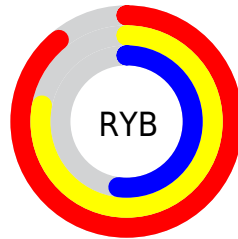
The XYZ color **50.9811, 47.6925, 28.7089** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.8734, 46.9814, 80.2601**, and the grayscale version is **45.8435, 48.2310, 52.5235**.

A 20% lighter version of the original color is **77.5720, 79.7433, 57.7579**, and **25.0724, 22.7154, 11.2467** is the 20% darker color. If you saturate the color by 10%, you get **47.1442, 42.2718, 20.4840**, and if you desaturate by 10%, it is **55.4210, 53.7719, 38.8225**.

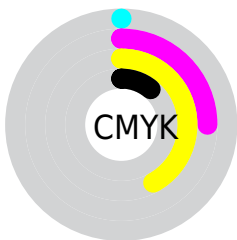
Distribution



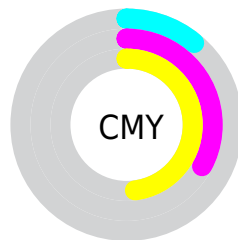
- Red (89%)
- Green (67%)
- Blue (52%)



- Red (89%)
- Yellow (78%)
- Blue (52%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)
- Black (11%)





- Cyan (11%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9811, 47.6925, 28.7089 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 50.9811, 47.6925, 28.7089 by changing the saturation by 10% instead.


 50.9811, 47.6925,
28.7089


 50.9811, 47.6925,
28.7089


380.8792,
377.5720, 309.8568


 36.4145, 33.5834,
18.6170


 90.8100, 86.7464,
58.6509

 24.9261, 22.5738,
11.2199


 116.8030,
112.4600, 79.3382

 16.1505, 14.2791,
6.0989


 147.3356,
142.8106, 104.3943

 9.7222, 8.3150,
2.8356

182.7731,
178.1826, 134.2378

 5.2760, 4.2972,
1.0113

223.4809,
218.9603, 169.2873

 2.4465, 1.8412,
0.0000

269.8242,

 0.8684, 0.5126,

265.5282, 209.9612

0.0000

322.1686,
318.2706, 256.6782

■ 0.0000, 0.0000,
0.0000

■ 50.9811, 47.6925,
28.7089

■ 50.9811, 47.6925,
28.7089

■ 47.1442, 42.2718,
20.4840

■ 55.4210, 53.7719,
38.8225

■ 43.8767, 37.4787,
14.0247

■ 60.4880, 60.5258,
50.9315

■ 41.1467, 33.2895,
9.1976

■ 66.2090, 67.9782,
65.1379

■ 38.9173, 29.6757,
5.8487

■ 72.6083, 76.1496,
81.5359

■ 37.1449, 26.6059,
3.7939

■ 79.7087, 85.0596,
100.2140

■ 35.9632, 24.4305,
2.8201

■ 85.0562, 93.7366,
108.2178

■ 85.8049, 95.2340,
108.4673

Harmonies

Analogous

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



55.6000, 47.6925, 37.1878



50.9811, 47.6925, 28.7089



45.1582, 47.6925, 26.0755

Triad

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



50.9811, 47.6925, 28.7089



35.0606, 47.6925, 52.4241



51.3046, 47.6925, 84.4776

Complementary

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



50.9811, 47.6925, 28.7089



41.8734, 46.9814, 80.2601

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.



45.5028, 47.6925, 90.8982



50.9811, 47.6925, 28.7089



36.4101, 47.6925, 70.1268

Square

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



50.9811, 47.6925, 28.7089



36.2614, 47.6925, 37.8762



40.1133, 47.6925, 85.1621



55.7977, 47.6925, 69.0877

Rectangle

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



50.9811, 47.6925, 28.7089



41.4665, 47.6925, 27.4224



40.1133, 47.6925, 85.1621



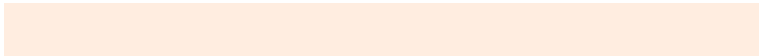
49.4269, 47.6925, 87.8872

Sweetspot

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



50.9823, 47.6948, 28.7098



85.0226, 87.2109, 83.1580



49.6770, 36.9872, 53.2365



17.9813, 18.3863, 17.2533



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.



50.9823, 47.6948, 28.7098



61.3942, 55.3869, 27.7049



61.4299, 68.5901, 32.1924



14.8605, 15.3350, 15.0812



20.8766, 14.3273, 1.6651



1.6323, 1.2379, 0.1529

Inverse Universe

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



41.8734, 46.9814, 80.2601



48.1507, 54.3178, 102.5543



33.4245, 30.0837, 77.4438



14.2854, 15.2921, 18.3431



13.1594, 13.3808, 44.2724



1.0633, 1.1706, 3.3019

Previews

White Background



This preview shows how the XYZ color 50.9811, 47.6925, 28.7089 looks on a white background.

Color Contrast Check

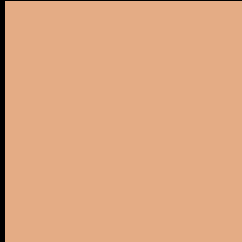
Large Text (above 18pt) WCAG AA × Fail

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 50.9811, 47.6925, 28.7089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

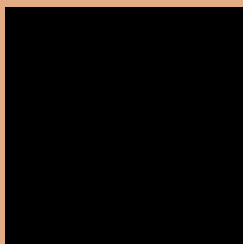
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9811, 47.6925, 28.7089

Background



This preview shows how black text looks on a background with the XYZ color 50.9811, 47.6925, 28.7089.



This preview shows how white text looks on a background with the XYZ color 50.9811, 47.6925,

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

50.9811, 47.6925, 28.7089

Protanopia

44.7539, 47.9863, 30.9483

Deuteranopia

48.6036, 47.6220, 28.4601



Tritanopia

55.0516, 47.6829, 48.9500

Trichromacy



Original Color

50.9811, 47.6925, 28.7089

Protanomaly

46.7776, 47.8300, 30.0592

Deuteranomaly

49.6190, 47.8555, 28.4516

Tritanomaly

53.4792, 47.6028, 40.5520

Monochromacy



Original Color

50.9811, 47.6925, 28.7089

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.9322, 47.6385, 42.3189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9811, 47.6925, 28.7089 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(228, 172, 133)` looks like.

```
.text, #text, p{  
    color:rgb(228, 172, 133)  
}
```

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(228, 172, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 172, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.9811, 47.6925, 28.7089 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(228, 172, 133) }
```


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

```
.border{ border-color:rgb(228, 172, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 172, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 172, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 172, 133);  
box-shadow:4px 4px 4px 4px rgb(228, 172,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9811, 47.6925, 28.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 172, 133) }
```

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

```
.background{ background-color: rgb(228,  
172, 133) }
```

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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