

Converting Colors

XYZ(46.4234, 47.4607, 29.9521)

Have a look what the booklet for
XYZ(46.4234, 47.4607, 29.9521)
contains.

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Color

**XYZ(46.2962, 47.2832,
29.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	CFB388
RGB	207, 179, 136
RGB Percent	81%, 70%, 53%
CMY	0.1882, 0.2980, 0.4667
CMYK	0.00, 0.14, 0.34, 0.19
HSL	36°, 43%, 67%
HSV	36°, 34%, 81%
XYZ	46.2962, 47.2832, 29.9790
YIQ	182.4700, 30.4910, -7.4370

Conversions

Conversions Part 2

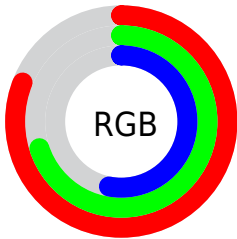
Format	Color
RYB	182, 207, 136
Decimal	13611912
CIELab	74.37, 3.88, 25.70
CIElCh	74, 25.990, 81.424
Yxy	47.2832, 0.3747, 0.3827
Android (android.graphics.Color)	4291801992 (0xFFCFB388)
YUV	182.4700, -22.9097, 21.5128
Hunter-Lab	68.7628, -0.1554, 22.2849

Details

The XYZ color **46.2962, 47.2832, 29.9790** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6909, 36.2890, 64.2077**, and the grayscale version is **44.8303, 47.1650, 51.3627**.

A 20% lighter version of the original color is **80.2426, 84.3944, 60.7757**, and **22.0895, 22.2690, 11.9382** is the 20% darker color. If you saturate the color by 10%, you get **43.3774, 43.5768, 22.4357**, and if you desaturate by 10%, it is **49.5984, 51.3013, 39.0529**.

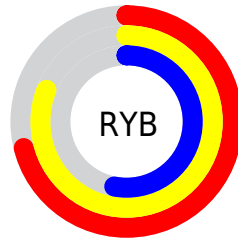
Distribution



Red (81%)

Green (70%)

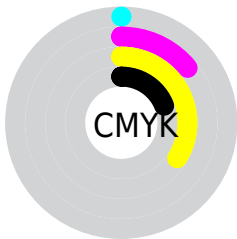
Blue (53%)



Red (71%)

Yellow (81%)

Blue (53%)

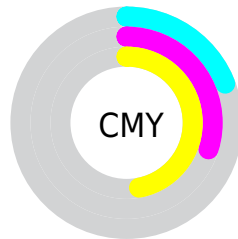


Cyan (0%)

Magenta (14%)

Yellow (34%)

Black (19%)



Cyan (19%)


Magenta (30%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2962, 47.2832, 29.9790 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 46.2962, 47.2832, 29.9790 by changing the saturation by 10% instead.


 46.2962, 47.2832,
29.9790

 46.2962, 47.2832,
29.9790


362.6942,
375.9438, 316.0108


 32.6852, 33.2596,
19.5707

 83.8873, 86.1362,
60.6896

 22.0435, 22.3254,
11.9024


 108.5981,
111.7344, 81.8290

 14.0056, 14.0962,
6.5555


 137.7395,
141.9595, 107.3825

 8.2063, 8.1876,
3.1115

171.6770,
177.1961, 137.7687

 4.2802, 4.2152,
1.1519

210.7759,
217.8284, 173.4060

 1.8618, 1.7947,
0.0000

255.4015,

 0.5545, 0.4838,

264.2408, 214.7132

0.0000

305.9191,
316.8178, 262.1086

■ 0.0000, 0.0000,
0.0000

■ 46.2962, 47.2832,
29.9790

■ 46.2962, 47.2832,
29.9790

■ 43.3774, 43.5768,
22.4357

■ 49.5984, 51.3013,
39.0529

■ 40.8203, 40.1657,
16.3330

■ 53.2971, 55.6338,
49.7345

■ 38.6064, 37.0415,
11.5761


■ 57.4092, 60.2917,
62.0992


■ 36.7135, 34.1924,
8.0573


■ 61.9492, 65.2834,
76.2169


■ 35.1163, 31.6055,
5.6521


■ 66.9312, 70.6168,
92.1532

 33.7844, 29.2655,
4.2097

 71.5194, 75.9599,
105.5000

 33.1140, 28.0290,
3.6648

 73.8179, 80.5568,
106.2661

 76.2237, 85.3685,
107.0681

 78.7384, 90.3979,
107.9063

Harmonies

Analogous

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



50.7873, 47.2832, 33.8545



46.2962, 47.2832, 29.9790



41.7349, 47.2832, 31.0315

Triad

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



46.2962, 47.2832, 29.9790



37.0764, 47.2832, 61.4787



52.3472, 47.2832, 69.2773

Complementary

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



46.2962, 47.2832, 29.9790



34.6909, 36.2890, 64.2077

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.



48.3078, 47.2832, 79.3836



46.2962, 47.2832, 29.9790



39.5620, 47.2832, 74.3653

Square

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



46.2962, 47.2832, 29.9790



36.6200, 47.2832, 47.7361



43.6130, 47.2832, 81.3916



54.4363, 47.2832, 55.4218

Rectangle

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



46.2962, 47.2832, 29.9790



39.2483, 47.2832, 34.4805



43.6130, 47.2832, 81.3916



51.1597, 47.2832, 73.3188

Sweetspot

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



46.2974, 47.2854, 29.9800



88.0887, 92.2168, 87.6522



41.2737, 33.5690, 39.6162



18.6571, 19.5134, 18.1708



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.



46.2974, 47.2854, 29.9800



70.7712, 71.4562, 39.1069



50.5497, 58.6690, 31.9531



12.3959, 12.9825, 12.4646



20.9578, 17.8486, 2.3405



1.2480, 1.1503, 0.1563

Inverse Universe

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



34.6909, 36.2890, 64.2077



49.4888, 51.3032, 101.9019



31.4121, 27.9624, 62.7733



11.5406, 12.1715, 14.9847



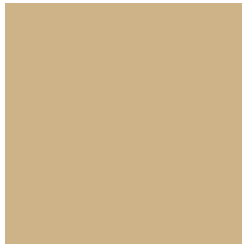
9.0652, 6.7771, 38.0228



0.5833, 0.5319, 2.1515

Previews

White Background



This preview shows how the XYZ color 46.2962, 47.2832, 29.9790 looks on a white background.

Color Contrast Check

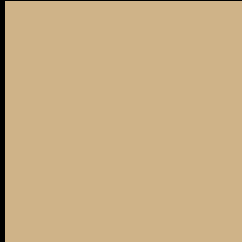
Large Text (above 18pt) WCAG AA × Fail

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 46.2962, 47.2832, 29.9790 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 46.2962, 47.2832, 29.9790

Background



This preview shows how black text looks on a background with the XYZ color 46.2962, 47.2832, 29.9790.



This preview shows how white text looks on a background with the XYZ color 46.2962, 47.2832,

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

46.2962, 47.2832, 29.9790

Protanopia

44.2859, 47.4377, 30.8670

Deuteranopia

48.1642, 47.0650, 30.2128



Tritanopia

50.7668, 47.0473, 52.8597

Trichromacy



Original Color

46.2962, 47.2832, 29.9790

Protanomaly

45.0627, 47.5414, 30.4683

Deuteranomaly

47.4813, 47.0029, 30.2369

Tritanomaly

48.9762, 47.1887, 43.5728

Monochromacy



Original Color

46.2962, 47.2832, 29.9790

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.8013, 46.8407, 42.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2962, 47.2832, 29.9790 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(207, 179, 136)` looks like.

```
.text, #text, p{  
    color:rgb(207, 179, 136)  
}
```

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(207, 179, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 179, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.2962, 47.2832, 29.9790 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(207, 179, 136) }
```


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

```
.border{ border-color:rgb(207, 179, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 179, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 179, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 179, 136);  
box-shadow:4px 4px 4px 4px rgb(207, 179,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2962, 47.2832, 29.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 179, 136) }
```

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

```
.background{ background-color: rgb(207,  
179, 136) }
```

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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