

Converting Colors

XYZ(42.7039, 46.4733, 29.8966)

Have a look what the booklet for
XYZ(42.7039, 46.4733, 29.8966)
contains.

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Color

**XYZ(42.6577, 46.3098,
29.9829)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB688
RGB	191, 182, 136
RGB Percent	75%, 71%, 53%
CMY	0.2510, 0.2863, 0.4667
CMYK	0.00, 0.05, 0.29, 0.25
HSL	50°, 30%, 64%
HSV	50°, 29%, 75%
XYZ	42.6577, 46.3098, 29.9829
YIQ	179.4470, 20.1300, -12.3980

Conversions

Conversions Part 2

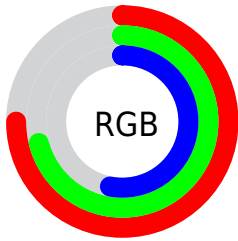
Format	Color
RYB	147, 191, 136
Decimal	12564104
CIELab	73.75, -4.02, 24.62
CIELCh	74, 24.944, 99.277
Yxy	46.3098, 0.3586, 0.3893
Android (android.graphics.Color)	4290754184 (0xFFBFB688)
YUV	179.4470, -21.4194, 10.1320
Hunter-Lab	68.0513, -7.1977, 21.5132

Details

The XYZ color **42.6577, 46.3098, 29.9829** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.6825, 29.2458, 53.3709**, and the grayscale version is **43.1906, 45.4399, 49.4840**.

A 20% lighter version of the original color is **78.5802, 84.8232, 60.9461**, and **19.8465, 21.6908, 11.9448** is the 20% darker color. If you saturate the color by 10%, you get **40.7872, 44.5509, 23.2488**, and if you desaturate by 10%, it is **44.7867, 48.1982, 37.9978**.

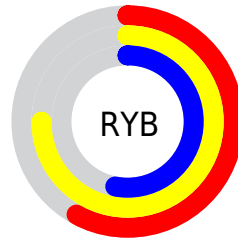
Distribution



Red (75%)

Green (71%)

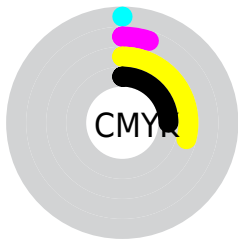
Blue (53%)



Red (58%)

Yellow (75%)

Blue (53%)

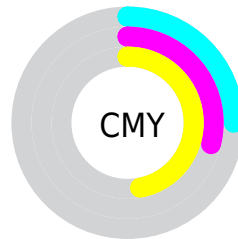


Cyan (0%)

Magenta (5%)

Yellow (29%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6577, 46.3098, 29.9829 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 42.6577, 46.3098, 29.9829 by changing the saturation by 10% instead.

■ 42.6577, 46.3098,
29.9829

■ 42.6577, 46.3098,
29.9829

348.1476,
372.0528, 316.0296

■ 29.8100, 32.4904,
19.5737

■ 78.4530, 84.6825,
60.6958

■ 19.8418, 21.7363,
11.9045

■ 102.1313,
110.0045, 81.8366

■ 12.3877, 13.6633,
6.5570

■ 130.1505,
139.9294, 107.3916

■ 7.0823, 7.8868,
3.1124

162.8760,
174.8418, 137.7794

■ 3.5604, 4.0226,
1.1523

200.6731,
215.1259, 173.4186

■ 1.4566, 1.6862,
0.0000

243.9071,

■ 0.2960, 0.4147,

261.1662, 214.7277

0.0000

292.9435,
313.3470, 262.1251

■ 0.0000, 0.0000,
0.0000

■ 42.6577, 46.3098,
29.9829

■ 42.6577, 46.3098,
29.9829

■ 40.7872, 44.5509,
23.2488

■ 44.7867, 48.1982,
37.9978

■ 39.1589, 42.9100,
17.7248

■ 47.1828, 50.2147,
47.3531

■ 37.7597, 41.3832,
13.3379

■ 49.8583, 52.3662,
58.1085

■ 36.5739, 39.9642,
10.0062

■ 52.8237, 54.6569,
70.3191

■ 35.5839, 38.6458,
7.6364

■ 56.0890, 57.0909,
84.0368

■ 34.7687, 37.4194,
6.1193

■ 59.6637, 59.6723,
99.3112

■ 34.0932, 36.2708,
5.2701

■ 61.0984, 61.4214,
103.2430

■ 34.0153, 36.1353,
5.1820

■ 61.8478, 62.9201,
103.4928

■ 62.6121, 64.4488,
103.7476

Harmonies

Analogous

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



47.0983, 46.3098, 30.8818



42.6577, 46.3098, 29.9829



38.8428, 46.3098, 33.8045

Triad

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



42.6577, 46.3098, 29.9829



37.7484, 46.3098, 67.4901



52.4698, 46.3098, 59.5539

Complementary

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



42.6577, 46.3098, 29.9829



29.6825, 29.2458, 53.3709

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.



49.6295, 46.3098, 71.7536



42.6577, 46.3098, 29.9829



41.0714, 46.3098, 76.8427

Square

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



42.6577, 46.3098, 29.9829



36.1362, 46.3098, 54.4575



45.4030, 46.3098, 78.5218



52.9655, 46.3098, 46.5938

Rectangle

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



42.6577, 46.3098, 29.9829



37.0947, 46.3098, 38.9631



45.4030, 46.3098, 78.5218



51.7489, 46.3098, 63.9360

Sweetspot

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



42.6589, 46.3119, 29.9839



84.3472, 89.8053, 84.1861



35.4141, 30.7347, 30.9219



18.3768, 19.6005, 17.9130



92.9021, 97.7402, 106.4391



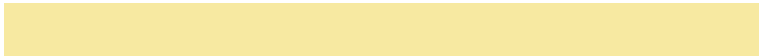
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.6589, 46.3119, 29.9839



74.0877, 80.7891, 45.3044



40.2350, 47.8856, 30.4154



10.1858, 10.8476, 10.1336



22.4044, 23.8475, 3.4222



0.9136, 1.0061, 0.1460

Inverse Universe

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



29.6825, 29.2458, 53.3709



46.8134, 44.9264, 94.4835



31.5985, 28.2733, 53.0822



9.1392, 9.4707, 12.0186



6.5464, 3.2046, 32.6664



0.2964, 0.2055, 1.2929

Previews

White Background



This preview shows how the XYZ color 42.6577, 46.3098, 29.9829 looks on a white background.

Color Contrast Check

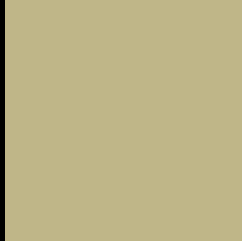
Large Text (above 18pt) WCAG AA × Fail

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 42.6577, 46.3098, 29.9829 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

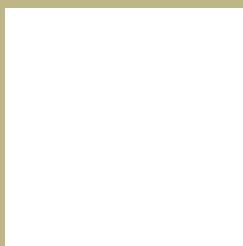
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6577, 46.3098, 29.9829

Background



This preview shows how black text looks on a background with the XYZ color 42.6577, 46.3098, 29.9829.



This preview shows how white text looks on a background with the XYZ color 42.6577, 46.3098,

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

42.6577, 46.3098, 29.9829

Protanopia

43.2159, 46.2947, 29.9506

Deuteranopia

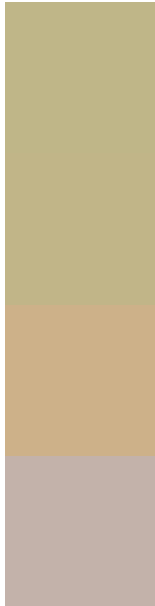
47.1641, 46.2532, 30.4867



Tritanopia

47.5412, 46.2044, 54.5568

Trichromacy



Original Color

42.6577, 46.3098, 29.9829

Protanomaly

42.9601, 46.1628, 29.9386

Deuteranomaly

45.4143, 46.2296, 30.1965

Tritanomaly

45.6818, 46.3452, 44.5680

Monochromacy



Original Color

42.6577, 46.3098, 29.9829

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4606, 45.3541, 41.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6577, 46.3098, 29.9829 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(191, 182, 136)` looks like.

```
.text, #text, p{  
    color:rgb(191, 182, 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(191, 182, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 182, 136) }
```

Border

The CSS property to change the border of an element to XYZ 42.6577, 46.3098, 29.9829 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(191, 182, 136) }
```


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

```
.border{ border-color:rgb(191, 182, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 182, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 182, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 182, 136);  
box-shadow:4px 4px 4px 4px rgb(191, 182,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6577, 46.3098, 29.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 182, 136) }
```

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

```
.background{ background-color: rgb(191,  
182, 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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