

Converting Colors

XYZ(46.6786, 52.0600, 21.7757)

Have a look what the booklet for
XYZ(46.6786, 52.0600, 21.7757)
contains.

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Color

**XYZ(46.6786, 52.0600,
21.7757)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC16C
RGB	204, 193, 108
RGB Percent	80%, 76%, 42%
CMY	0.2000, 0.2431, 0.5765
CMYK	0.00, 0.05, 0.47, 0.20
HSL	53°, 48%, 61%
HSV	53°, 47%, 80%
XYZ	46.6786, 52.0600, 21.7757
YIQ	186.5990, 33.8410, -24.1030

Conversions

Conversions Part 2

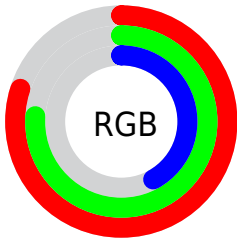
Format	Color
RYB	120, 204, 108
Decimal	13418860
CIELab	77.32, -7.74, 43.93
CIELCh	77, 44.609, 99.995
Yxy	52.0600, 0.3873, 0.4320
Android (android.graphics.Color)	4291608940 (0xFFCCC16C)
YUV	186.5990, -38.7493, 15.2607
Hunter-Lab	72.1526, -10.7878, 32.6131

Details

The XYZ color **46.6786, 52.0600, 21.7757** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.6802, 20.7408, 59.8820**, and the grayscale version is **47.2072, 49.6656, 54.0859**.

A 20% lighter version of the original color is **81.5487, 91.5846, 47.0977**, and **22.3545, 25.3576, 7.7193** is the 20% darker color. If you saturate the color by 10%, you get **45.2055, 50.6527, 16.5408**, and if you desaturate by 10%, it is **48.4164, 53.5900, 28.3533**.

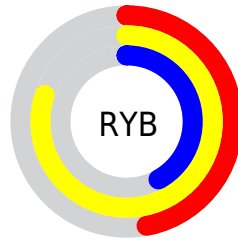
Distribution



Red (80%)

Green (76%)

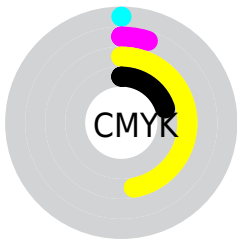
Blue (42%)



Red (47%)

Yellow (80%)

Blue (42%)

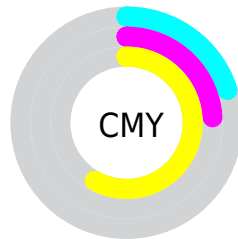


Cyan (0%)

Magenta (5%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6786, 52.0600, 21.7757 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 46.6786, 52.0600, 21.7757 by changing the saturation by 10% instead.

■ 46.6786, 52.0600,
21.7757

■ 46.6786, 52.0600,
21.7757

364.2005,
394.6682, 274.2879

■ 32.9885, 37.0529,
13.4954

■ 84.4553, 93.2197,
47.2724

■ 22.2769, 25.2485,
7.6359

■ 109.2727,
120.1411, 65.3260

■ 14.1782, 16.2623,
3.7784

■ 138.5299,
151.8028, 87.4744

■ 8.3272, 9.7099,
1.5046

■ 172.5923,
188.5890, 114.1361

■ 4.3586, 5.2071,
0.2213

211.8252,
230.8843, 145.7298

■ 1.9069, 2.3693,
0.0000

256.5939,

■ 0.5809, 0.8100,

279.0730, 182.6740

0.0000

307.2639,
333.5395, 225.3872

■ 0.0000, 0.0000,
0.0000

■ 46.6786, 52.0600,
21.7757

■ 46.6786, 52.0600,
21.7757

■ 45.2055, 50.6527,
16.5408

■ 48.4164, 53.5900,
28.3533

■ 43.9754, 49.3537,
12.5505

■ 50.4314, 55.2422,
36.3559

■ 42.9690, 48.1572,
9.6990

■ 52.7399, 57.0248,
45.8630

■ 42.1627, 47.0535,
7.8611

■ 55.3556, 58.9436,
56.9473

■ 41.5244, 46.0299,
6.8685

■ 58.2916, 61.0038,
69.6769

■ 41.3517, 45.7372,
6.6487

■ 61.5599, 63.2103,
84.1157

■ 65.1722, 65.5678,
100.3244

■ 66.4195, 66.9928,
104.0380

■ 67.0067, 68.1672,
104.2337

Harmonies

Analogous

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



55.3298, 52.0600, 22.9203



46.6786, 52.0600, 21.7757



39.6365, 52.0600, 27.6928

Triad

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



46.6786, 52.0600, 21.7757



37.9104, 52.0600, 92.7097



66.6195, 52.0600, 74.3922

Complementary

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



46.6786, 52.0600, 21.7757



23.6802, 20.7408, 59.8820

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.



60.8350, 52.0600, 101.0210



46.6786, 52.0600, 21.7757



44.0605, 52.0600, 113.5343

Square

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



46.6786, 52.0600, 21.7757



34.9745, 52.0600, 65.2684



52.3943, 52.0600, 116.9510



67.5301, 52.0600, 48.8883

Rectangle

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



46.6786, 52.0600, 21.7757



36.5500, 52.0600, 36.2246



52.3943, 52.0600, 116.9510



65.1514, 52.0600, 83.6825

Sweetspot

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



46.6799, 52.0624, 21.7768



88.5352, 95.3292, 80.9592



33.6066, 24.8997, 20.5513



18.7553, 20.2592, 16.5099



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.



46.6799, 52.0624, 21.7768



74.9385, 83.9597, 27.6439



40.2786, 52.5058, 22.1997



12.0399, 12.8687, 11.9288



26.0710, 28.8750, 4.1993



1.3769, 1.5534, 0.2273

Inverse Universe

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



23.6802, 20.7408, 59.8820



32.5493, 26.2614, 97.9612



27.9040, 21.0870, 59.7262



10.7035, 11.0475, 14.1386



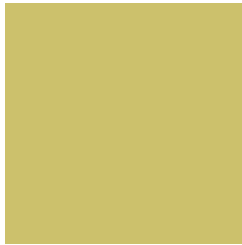
7.0926, 3.2092, 36.2019



0.4014, 0.2367, 1.8795

Previews

White Background



This preview shows how the XYZ color 46.6786, 52.0600, 21.7757 looks on a white background.

Color Contrast Check

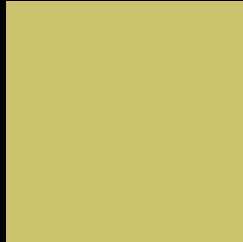
Large Text (above 18pt) WCAG AA × Fail

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 46.6786, 52.0600, 21.7757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

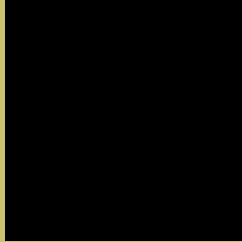
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6786, 52.0600, 21.7757

Background



This preview shows how black text looks on a background with the XYZ color 46.6786, 52.0600, 21.7757.



This preview shows how white text looks on a background with the XYZ color 46.6786, 52.0600,

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

46.6786, 52.0600, 21.7757

Protanopia

47.8630, 52.0248, 21.4291

Deuteranopia

52.8759, 51.7594, 22.2426



Tritanopia

54.4521, 52.0443, 59.9989

Trichromacy



Original Color

46.6786, 52.0600, 21.7757

Protanomaly

47.5159, 52.1707, 21.4755

Deuteranomaly

50.4976, 51.7732, 22.0836

Tritanomaly

51.1402, 51.9589, 42.9310

Monochromacy



Original Color

46.6786, 52.0600, 21.7757

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.3615, 50.2013, 39.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6786, 52.0600, 21.7757 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(204, 193, 108)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 108)  
}
```

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(204, 193, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 108) }
```

Border

The CSS property to change the border of an element to XYZ 46.6786, 52.0600, 21.7757 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(204, 193, 108) }
```


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

```
.border{ border-color:rgb(204, 193, 108) }
```

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

Here you see how a box with a 4 pixel rgb(204, 193, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 108);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6786, 52.0600, 21.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 108) }
```

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

```
.background{ background-color: rgb(204,  
193, 108) }
```

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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