

Converting Colors

XYZ(46.4220, 52.6067, 21.0720)

Have a look what the booklet for
XYZ(46.4220, 52.6067, 21.0720)
contains.

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Color

**XYZ(46.4220, 52.6067,
21.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC369
RGB	202, 195, 105
RGB Percent	79%, 76%, 41%
CMY	0.2078, 0.2353, 0.5882
CMYK	0.00, 0.03, 0.48, 0.21
HSL	56°, 48%, 60%
HSV	56°, 48%, 79%
XYZ	46.4220, 52.6067, 21.0720
YIQ	186.8330, 33.0620, -26.5060

Conversions

Conversions Part 2

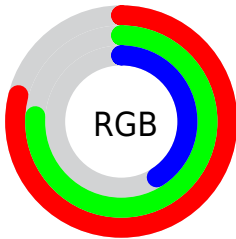
Format	Color
RYB	113, 202, 105
Decimal	13288297
CIELab	77.64, -9.87, 45.77
CIELCh	78, 46.819, 102.170
Yxy	52.6067, 0.3865, 0.4380
Android (android.graphics.Color)	4291478377 (0xFFCAC369)
YUV	186.8330, -40.3437, 13.3015
Hunter-Lab	72.5305, -12.6822, 33.5460

Details

The XYZ color **46.4220, 52.6067, 21.0720** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.2804, 18.8553, 58.3420**, and the grayscale version is **47.3482, 49.8140, 54.2475**.

A 20% lighter version of the original color is **81.9087, 92.7230, 45.9280**, and **22.1929, 25.7233, 7.2854** is the 20% darker color. If you saturate the color by 10%, you get **45.1804, 51.5923, 16.1303**, and if you desaturate by 10%, it is **47.9159, 53.7310, 27.3156**.

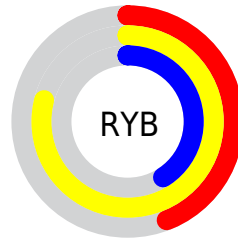
Distribution



Red (79%)

Green (76%)

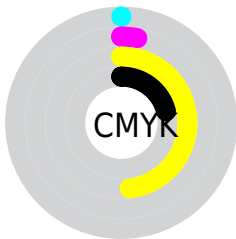
Blue (41%)



Red (44%)

Yellow (79%)

Blue (41%)

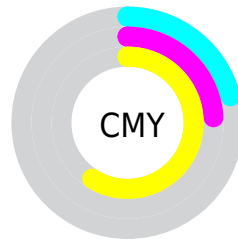


Cyan (0%)

Magenta (3%)

Yellow (48%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4220, 52.6067, 21.0720 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 46.4220, 52.6067, 21.0720 by changing the saturation by 10% instead.

■ 46.4220, 52.6067,
21.0720

■ 46.4220, 52.6067,
21.0720

363.1902,
396.7744, 270.4545

■ 32.7850, 37.4889,
12.9849

■ 84.0742, 94.0254,
46.0897

■ 22.1202, 25.5862,
7.2875

■ 108.8201,
121.0950, 63.8573

■ 14.0624, 16.5144,
3.5614

■ 137.9997,
152.9174, 85.6889

■ 8.2460, 9.8889,
1.3880

■ 171.9783,
189.8770, 112.0029

■ 4.3059, 5.3253,
0.1323

211.1213,
232.3580, 143.2180

■ 1.8766, 2.4394,
0.0000

255.7941,

■ 0.5632, 0.8460,

280.7450, 179.7525

0.0000

306.3619,
335.4223, 222.0252

■ 0.0000, 0.0000,
0.0000

■ 46.4220, 52.6067,
21.0720

■ 46.4220, 52.6067,
21.0720

■ 45.1804, 51.5923,
16.1303

■ 47.9159, 53.7310,
27.3156

■ 44.1696, 50.6734,
12.3938

■ 49.6744, 54.9642,
34.9421

■ 43.3707, 49.8443,
9.7578


■ 51.7134, 56.3148,
44.0297


■ 42.7602, 49.0956,
8.0980


■ 54.0464, 57.7881,
54.6500


■ 42.3030, 48.4133,
7.2300


■ 56.6861, 59.3893,
66.8696

 42.2196, 48.2816,
7.0941

 59.6445, 61.1231,
80.7514

 62.9329, 62.9941,
96.3550

 64.6370, 64.2365,
103.5999

 64.9908, 64.9441,
103.7178

Harmonies

Analogous

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



55.5202, 52.6067, 21.7326



46.4220, 52.6067, 21.0720



39.2062, 52.6067, 27.7163

Triad

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



46.4220, 52.6067, 21.0720



38.1822, 52.6067, 97.6681



68.4613, 52.6067, 73.9326

Complementary

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



46.4220, 52.6067, 21.0720



22.2804, 18.8553, 58.3420

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.



62.6152, 52.6067, 102.7187



46.4220, 52.6067, 21.0720



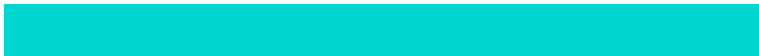
44.8604, 52.6067, 119.0179

Square

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



46.4220, 52.6067, 21.0720



34.8482, 52.6067, 68.4401



53.7596, 52.6067, 121.1037



69.0111, 52.6067, 47.4038

Rectangle

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



46.4220, 52.6067, 21.0720



36.1384, 52.6067, 37.0235



53.7596, 52.6067, 121.1037



67.0205, 52.6067, 83.8349

Sweetspot

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



46.4233, 52.6091, 21.0731



89.0100, 96.2788, 81.1174



32.3943, 23.8543, 18.5450



18.8723, 20.4931, 16.5489



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.



46.4233, 52.6091, 21.0731



76.3508, 87.2271, 26.7499



38.4863, 50.8987, 21.1613



12.0819, 12.9528, 11.9428



27.1959, 31.1247, 4.5743



1.4242, 1.6481, 0.2430

Inverse Universe

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



22.2804, 18.8553, 58.3420



30.5762, 23.2535, 97.4846



27.4633, 20.4257, 58.3719



10.6657, 10.9717, 14.1260



6.9909, 3.0058, 36.1680



0.3838, 0.2014, 1.8736

Previews

White Background



This preview shows how the XYZ color 46.4220, 52.6067, 21.0720 looks on a white background.

Color Contrast Check

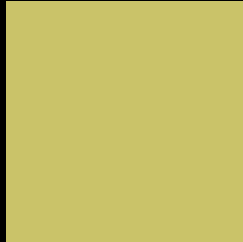
Large Text (above 18pt) WCAG AA × Fail

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 46.4220, 52.6067, 21.0720 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

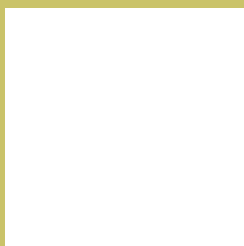
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4220, 52.6067, 21.0720

Background



This preview shows how black text looks on a background with the XYZ color 46.4220, 52.6067, 21.0720.



This preview shows how white text looks on a background with the XYZ color 46.4220, 52.6067,

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

46.4220, 52.6067, 21.0720

Protanopia

48.2123, 52.5476, 20.6984

Deuteranopia

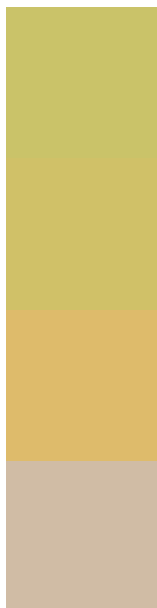
53.5719, 52.4421, 21.4861



Tritanopia

54.6007, 52.4015, 61.2696

Trichromacy



Original Color

46.4220, 52.6067, 21.0720

Protanomaly

47.5811, 52.5493, 20.7319

Deuteranomaly

50.5484, 52.1318, 21.3082

Tritanomaly

50.7872, 52.0929, 42.9755

Monochromacy



Original Color

46.4220, 52.6067, 21.0720

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.2375, 50.4677, 39.2026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4220, 52.6067, 21.0720 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(202, 195, 105)` looks like.

```
.text, #text, p{  
    color:rgb(202, 195, 105)  
}
```

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(202, 195, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 195, 105) }
```

Border

The CSS property to change the border of an element to XYZ 46.4220, 52.6067, 21.0720 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(202, 195, 105) }
```


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

```
.border{ border-color:rgb(202, 195, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 195, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 195, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 195, 105);  
box-shadow:4px 4px 4px 4px rgb(202, 195,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4220, 52.6067, 21.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 195, 105) }
```

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

```
.background{ background-color: rgb(202,  
195, 105) }
```

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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