

Converting Colors

XYZ(42.6213, 48.4570, 16.3789)

Have a look what the booklet for
XYZ(42.6213, 48.4570, 16.3789)
contains.

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Color

**XYZ(42.5096, 48.4068,
16.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BC58
RGB	196, 188, 88
RGB Percent	77%, 74%, 35%
CMY	0.2314, 0.2627, 0.6549
CMYK	0.00, 0.04, 0.55, 0.23
HSL	56°, 48%, 56%
HSV	56°, 55%, 77%
XYZ	42.5096, 48.4068, 16.3355
YIQ	178.9920, 36.8680, -29.4040

Conversions

Conversions Part 2

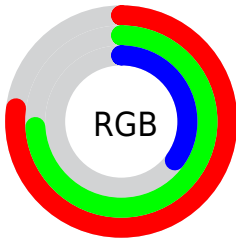
Format	Color
R _Y B	97, 196, 88
Decimal	12893272
CIE Lab	75.08, -10.22, 50.76
CIE LCh	75, 51.781, 101.380
Yxy	48.4068, 0.3964, 0.4513
Android (android.graphics.Color)	4291083352 (0xFFC4BC58)
YUV	178.9920, -44.8591, 14.9160
Hunter-Lab	69.5750, -12.6946, 34.7818

Details

The XYZ color **42.5096, 48.4068, 16.3355** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **18.1711, 14.4256, 54.0509**, and the grayscale version is **43.0624, 45.3050, 49.3371**.

A 20% lighter version of the original color is **78.3984, 87.8845, 38.0307**, and **19.7976, 23.0308, 5.0710** is the 20% darker color. If you saturate the color by 10%, you get **41.4965, 47.5099, 12.5168**, and if you desaturate by 10%, it is **43.7464, 49.4017, 21.3066**.

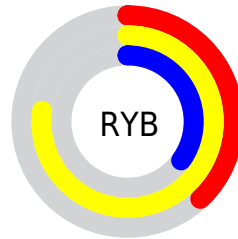
Distribution



Red (77%)

Green (74%)

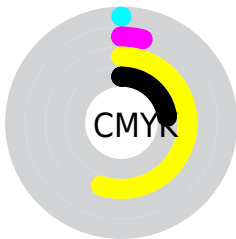
Blue (35%)



Red (38%)

Yellow (77%)

Blue (35%)

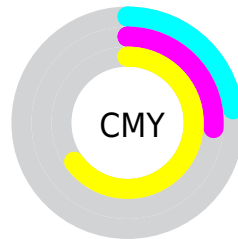


Cyan (0%)

Magenta (4%)

Yellow (55%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5096, 48.4068, 16.3355 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 42.5096, 48.4068, 16.3355 by changing the saturation by 10% instead.

■ 42.5096, 48.4068,
16.3355

■ 42.5096, 48.4068,
16.3355

347.5469,
380.4023, 243.2263

■ 29.6934, 34.1492,
9.6050

■ 78.2306, 87.8098,
37.9545

■ 19.7529, 23.0082,
5.0357

■ 101.8662,
113.7239, 53.6801

■ 12.3228, 14.5996,
2.2091

■ 129.8388,
144.2923, 73.2411

■ 7.0376, 8.5388,
0.6796

■ 162.5140,
179.8994, 97.0561

■ 3.5322, 4.4416,
0.0000

200.2571,
220.9295, 125.5435

■ 1.4410, 1.9235,
0.0000

243.4333,

■ 0.2852, 0.5625,

267.7671, 159.1220

0.0000

292.4081,
320.7966, 198.2101

■ 0.0000, 0.0000,
0.0000

■ 42.5096, 48.4068,
16.3355

■ 42.5096, 48.4068,
16.3355

■ 41.4965, 47.5099,
12.5168

■ 43.7464, 49.4017,
21.3066

■ 40.6857, 46.6971,
9.7531

■ 45.2193, 50.4943,
27.5111

■ 40.0576, 45.9623,
7.9360

■ 46.9441, 51.6927,
35.0262

■ 39.5868, 45.2955,
6.9322

■ 48.9340, 53.0021,
43.9217

■ 39.3887, 44.9836,
6.6067

■ 51.2013, 54.4276,
54.2629

■ 53.7577, 55.9737,
66.1104

■ 56.6140, 57.6449,
79.5219

■ 59.7806, 59.4452,
94.5515

■ 61.7161, 60.7583,
103.0825

Harmonies

Analogous

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



52.0702, 48.4068, 17.1284



42.5096, 48.4068, 16.3355



34.9933, 48.4068, 22.4660

Triad

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



42.5096, 48.4068, 16.3355



33.6563, 48.4068, 95.2323



65.5081, 48.4068, 71.1682

Complementary

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



42.5096, 48.4068, 16.3355



18.1711, 14.4256, 54.0509

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.



59.1238, 48.4068, 102.3065



42.5096, 48.4068, 16.3355



40.4378, 48.4068, 119.1648

Square

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



42.5096, 48.4068, 16.3355



30.3700, 48.4068, 63.6787



49.6958, 48.4068, 122.1242



66.2639, 48.4068, 43.0736

Rectangle

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



42.5096, 48.4068, 16.3355



31.8070, 48.4068, 31.4694



49.6958, 48.4068, 122.1242



63.9120, 48.4068, 81.8333

Sweetspot

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



42.5107, 48.4090, 16.3365



87.8244, 95.4855, 75.8578



28.4126, 19.5787, 13.5915



18.6367, 20.3326, 15.5127



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.



42.5107, 48.4090, 16.3365



74.8618, 85.7707, 21.5625



34.2641, 46.7636, 16.4535



10.8476, 11.6266, 10.7343



25.3368, 28.9593, 4.2543



1.1141, 1.2900, 0.1903

Inverse Universe

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



18.1711, 14.4256, 54.0509



26.4293, 18.1855, 96.7249



23.1268, 15.9521, 54.0844



9.5869, 9.8651, 12.6837



6.5324, 2.8212, 33.7569



0.3033, 0.1639, 1.4655

Previews

White Background



This preview shows how the XYZ color 42.5096, 48.4068, 16.3355 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 42.5096, 48.4068, 16.3355 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 42.5096, 48.4068, 16.3355

Background



This preview shows how black text looks on a background with the XYZ color 42.5096, 48.4068, 16.3355.



This preview shows how white text looks on a background with the XYZ color 42.5096, 48.4068,

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

42.5096, 48.4068, 16.3355

Protanopia

44.2461, 48.3652, 16.0202

Deuteranopia

49.4086, 48.3000, 16.6162



Tritanopia

50.5797, 48.3277, 55.9526

Trichromacy



Original Color

42.5096, 48.4068, 16.3355

Protanomaly

43.6363, 48.3625, 16.0518

Deuteranomaly

46.4856, 47.9796, 16.4838

Tritanomaly

46.7137, 47.9374, 37.3626

Monochromacy



Original Color

42.5096, 48.4068, 16.3355

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9238, 45.8455, 33.8336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5096, 48.4068, 16.3355 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(196, 188, 88)` looks like.

```
.text, #text, p{  
    color:rgb(196, 188, 88)  
}
```

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(196, 188, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 188, 88) }
```

Border

The CSS property to change the border of an element to XYZ 42.5096, 48.4068, 16.3355 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(196, 188, 88) }
```


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

```
.border{ border-color:rgb(196, 188, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 188, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 188, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 188, 88);  
box-shadow:4px 4px 4px 4px rgb(196, 188,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5096, 48.4068, 16.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 188, 88) }
```

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

```
.background{ background-color: rgb(196,  
188, 88) }
```

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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