

Converting Colors

XYZ(42.4286, 46.9358, 8.6152)

Have a look what the booklet for
XYZ(42.4286, 46.9358, 8.6152)
contains.

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Color

**XYZ(42.4602, 46.9860,
8.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB726
RGB	205, 183, 38
RGB Percent	80%, 72%, 15%
CMY	0.1961, 0.2823, 0.8510
CMYK	0.00, 0.11, 0.81, 0.20
HSL	52°, 69%, 48%
HSV	52°, 81%, 80%
XYZ	42.4602, 46.9860, 8.6650
YIQ	173.0480, 59.6570, -40.4310

Conversions

Conversions Part 2

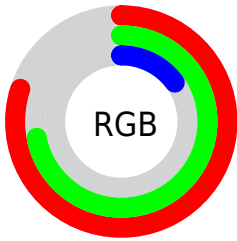
Format	Color
RYB	63, 205, 38
Decimal	13481766
CIELab	74.18, -6.49, 69.46
CIELCh	74, 69.760, 95.335
Yxy	46.9860, 0.4328, 0.4789
Android (android.graphics.Color)	4291671846 (0xFFCDB726)
YUV	173.0480, -66.5787, 28.0219
Hunter-Lab	68.5463, -9.3864, 40.4875

Details

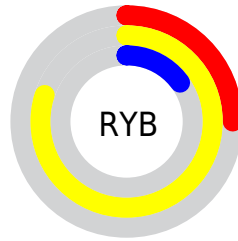
The XYZ color **42.4602, 46.9860, 8.6650** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **13.4348, 8.0517, 58.6034**, and the grayscale version is **40.0540, 42.1399, 45.8904**.

A 20% lighter version of the original color is **74.2642, 83.8561, 23.5810**, and **19.8367, 22.0763, 3.2156** is the 20% darker color. If you saturate the color by 10%, you get **41.6649, 45.7871, 7.1931**, and if you desaturate by 10%, it is **43.4503, 48.2835, 11.1004**.

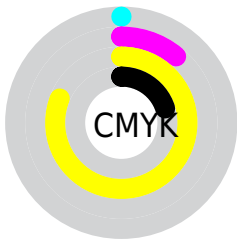
Distribution



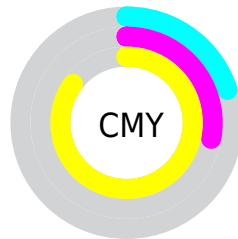
- Red (80%)
- Green (72%)
- Blue (15%)



- Red (25%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (11%)
- Yellow (81%)
- Black (20%)





- Cyan (20%)
- Magenta (28%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4602, 46.9860, 8.6650 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 42.4602, 46.9860, 8.6650 by changing the saturation by 10% instead.


 42.4602, 46.9860,
8.6650


 42.4602, 46.9860,
8.6650


347.3464,
374.7586, 190.9839


 29.6545, 33.0246,
4.4295


 78.1564, 85.6927,
23.8195

 19.7233, 22.1453,
1.8638


 101.7777,
111.2068, 35.5756


 12.3011, 13.9637,
0.4696


 129.7348,
141.3406, 50.6756

 7.0228, 8.0954,
0.0000

 162.3932,
176.4785, 69.5381

 3.5228, 4.1561,
0.0000

 200.1182,
217.0048, 92.5817

 1.4359, 1.7612,
0.0000

 243.2752,

 0.2816, 0.4628,

263.3040, 120.2248

0.0000

292.2294,
315.7605, 152.8860

■ 0.0000, 0.0000,
0.0000

■ 42.4602, 46.9860,
8.6650

■ 42.4602, 46.9860,
8.6650

■ 41.6649, 45.7871,
7.1931

■ 43.4503, 48.2835,
11.1004

■ 41.0971, 44.8197,
6.4850

■ 44.6582, 49.6836,
14.6345

■ 46.1069, 51.1972,
19.3836

■ 47.8157, 52.8323,
25.4487

■ 49.8019, 54.5957,
32.9202

■ 52.0810, 56.4939,
41.8804

■ 54.6676, 58.5327,
52.4054

■ 57.5751, 60.7177,
64.5659

■ 60.8163, 63.0539,
78.4285

Harmonies

Analogous

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



55.4628, 46.9860, 10.6290



42.4602, 46.9860, 8.6650



32.1461, 46.9860, 13.0369

Triad

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



42.4602, 46.9860, 8.6650



27.7756, 46.9860, 102.2140



70.2665, 46.9860, 85.6117

Complementary

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



42.4602, 46.9860, 8.6650



13.4348, 8.0517, 58.6034

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.



60.0582, 46.9860, 130.4038



42.4602, 46.9860, 8.6650



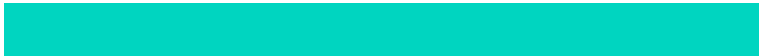
35.3577, 46.9860, 142.7200

Square

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



42.4602, 46.9860, 8.6650



24.7419, 46.9860, 57.8334



46.9320, 46.9860, 154.9102



73.1312, 46.9860, 45.0203

Rectangle

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



42.4602, 46.9860, 8.6650



27.6582, 46.9860, 21.1383



46.9320, 46.9860, 154.9102



67.4976, 46.9860, 101.1705

Sweetspot

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



42.4613, 46.9882, 8.6659



84.1974, 91.6306, 64.1700



26.6929, 14.6948, 5.7423



17.7321, 19.3720, 12.5950



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.



42.4613, 46.9882, 8.6659



67.4122, 73.5596, 10.7919



33.6424, 49.7109, 9.6563



12.0229, 12.8348, 11.9231



25.6346, 28.0022, 4.0539



1.3583, 1.5164, 0.2211

Inverse Universe

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



13.4348, 8.0517, 58.6034



18.8074, 8.6400, 95.2842



16.8842, 8.4604, 58.5005



10.7189, 11.0782, 14.1437



7.1437, 3.3114, 36.2189



0.4086, 0.2509, 1.8818

Previews

White Background



This preview shows how the XYZ color 42.4602, 46.9860, 8.6650 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 42.4602, 46.9860, 8.6650 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 42.4602, 46.9860, 8.6650

Background



This preview shows how black text looks on a background with the XYZ color 42.4602, 46.9860, 8.6650.



This preview shows how white text looks on a background with the XYZ color 42.4602, 46.9860,

8.6650.

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

42.4602, 46.9860, 8.6650

Protanopia

42.4602, 46.9860, 8.6650

Deuteranopia

48.0127, 46.8846, 8.8046



Tritanopia

51.0508, 46.6572, 51.6625

Trichromacy



Original Color

42.4602, 46.9860, 8.6650

Protanomaly

42.4602, 46.9860, 8.6650

Deuteranomaly

45.9412, 46.9765, 8.7438

Tritanomaly

46.2907, 46.1475, 27.9403

Monochromacy



Original Color

42.4602, 46.9860, 8.6650

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3678, 43.2138, 25.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4602, 46.9860, 8.6650 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(205, 183, 38)` looks like.

```
.text, #text, p{  
    color:rgb(205, 183, 38)  
}
```

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(205, 183, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 183, 38) }
```

Border

The CSS property to change the border of an element to XYZ 42.4602, 46.9860, 8.6650 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(205, 183, 38) }
```


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

```
.border{ border-color:rgb(205, 183, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 183, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 183, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 183, 38);  
box-shadow:4px 4px 4px 4px rgb(205, 183,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4602, 46.9860, 8.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 183, 38) }
```

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

```
.background{ background-color: rgb(205,  
183, 38) }
```

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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