

Converting Colors

XYZ(42.3037, 47.0062, 8.9245)

Have a look what the booklet for
XYZ(42.3037, 47.0062, 8.9245)
contains.

XYZ(42.2356, 46.8644, 8.9175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2356, 46.8644,
8.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB729
RGB	204, 183, 41
RGB Percent	80%, 72%, 16%
CMY	0.2000, 0.2823, 0.8392
CMYK	0.00, 0.10, 0.80, 0.20
HSL	52°, 67%, 48%
HSV	52°, 80%, 80%
XYZ	42.2356, 46.8644, 8.9175
YIQ	173.0910, 58.0980, -39.7100

Conversions

Conversions Part 2

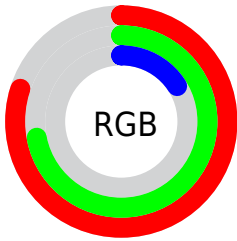
Format	Color
RYB	65, 204, 41
Decimal	13416233
CIELab	74.10, -6.83, 68.50
CIELCh	74, 68.835, 95.691
Yxy	46.8644, 0.4309, 0.4781
Android (android.graphics.Color)	4291606313 (0xFFCCB729)
YUV	173.0910, -65.1209, 27.1072
Hunter-Lab	68.4576, -9.6734, 40.1970

Details

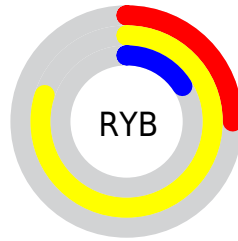
The XYZ color **42.2356, 46.8644, 8.9175** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **13.5364, 8.2764, 58.0106**, and the grayscale version is **40.0694, 42.1561, 45.9080**.

A 20% lighter version of the original color is **74.3586, 83.8939, 24.0784**, and **19.8367, 22.0763, 3.2156** is the 20% darker color. If you saturate the color by 10%, you get **41.4311, 45.6853, 7.3250**, and if you desaturate by 10%, it is **43.2367, 48.1420, 11.4860**.

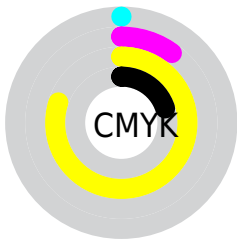
Distribution



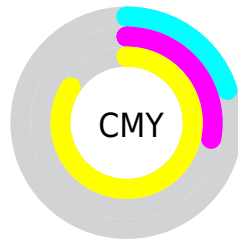
- Red (80%)
- Green (72%)
- Blue (16%)



- Red (25%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (10%)
- Yellow (80%)
- Black (20%)



- Cyan (20%)
- Magenta (28%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2356, 46.8644, 8.9175 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 42.2356, 46.8644, 8.9175 by changing the saturation by 10% instead.

42.2356, 46.8644,
8.9175

42.2356, 46.8644,
8.9175

346.4337,
374.2730, 192.9566

29.4777, 32.9285,
4.5913

77.8190, 85.5112,
24.3136

19.5886, 22.0717,
1.9550

101.3752,
110.9908, 36.2207

12.2029, 13.9096,
0.5274

129.2617,
141.0872, 51.4917

6.9552, 8.0578,
0.0000

161.8436,
176.1846, 70.5454

3.4802, 4.1319,
0.0000

199.4864,
216.6675, 93.8002

1.4125, 1.7476,
0.0000

242.5555,

0.2651, 0.4542,

262.9202, 121.6746

0.0000

291.4161,
315.3273, 154.5872

■ 0.0000, 0.0000,
0.0000

■ 42.2356, 46.8644,
8.9175

■ 42.2356, 46.8644,
8.9175

■ 41.4311, 45.6853,
7.3250

■ 43.2367, 48.1420,
11.4860

■ 40.7736, 44.5792,
6.4616

■ 44.4563, 49.5214,
15.1595

■ 40.7672, 44.5682,
6.4539

■ 45.9167, 51.0136,
20.0505

■ 47.6364, 52.6259,
26.2569

■ 49.6324, 54.3652,
33.8666

■ 51.9198, 56.2378,
42.9598

■ 54.5128, 58.2492,
53.6109

■ 57.4246, 60.4050,
65.8890

■ 60.6676, 62.7101,
79.8593

Harmonies

Analogous

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



55.0217, 46.8644, 10.8132



42.2356, 46.8644, 8.9175



32.1050, 46.8644, 13.3846

Triad

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



42.2356, 46.8644, 8.9175



27.9435, 46.8644, 101.7119



69.8018, 46.8644, 84.3529

Complementary

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



42.2356, 46.8644, 8.9175



13.5364, 8.2764, 58.0106

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.



59.8390, 46.8644, 128.3207



42.2356, 46.8644, 8.9175



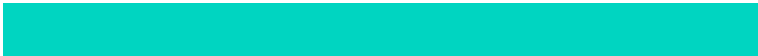
35.4875, 46.8644, 141.1656

Square

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



42.2356, 46.8644, 8.9175



24.8878, 46.8644, 58.0536



46.9334, 46.8644, 152.6566



72.5116, 46.8644, 44.5922

Rectangle

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



42.2356, 46.8644, 8.9175



27.7041, 46.8644, 21.5484



46.9334, 46.8644, 152.6566



67.1106, 46.8644, 99.6038

Sweetspot

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



42.2367, 46.8666, 8.9184



84.2518, 91.7393, 64.1882



26.5848, 14.7796, 6.1160



17.7454, 19.3985, 12.5994



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.



42.2367, 46.8666, 8.9184



67.8090, 74.3085, 11.0620



33.5359, 49.2962, 9.8460



12.0258, 12.8405, 11.9241



25.7076, 28.1481, 4.0782



1.3614, 1.5226, 0.2221

Inverse Universe

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



13.5364, 8.2764, 58.0106



18.9961, 8.9227, 95.3288



17.0333, 8.6994, 57.9079



10.7163, 11.0730, 14.1429



7.1346, 3.2933, 36.2159



0.4074, 0.2485, 1.8814

Previews

White Background



This preview shows how the XYZ color 42.2356, 46.8644, 8.9175 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 42.2356, 46.8644, 8.9175 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 42.2356, 46.8644, 8.9175

Background



This preview shows how black text looks on a background with the XYZ color 42.2356, 46.8644, 8.9175.



This preview shows how white text looks on a background with the XYZ color 42.2356, 46.8644,

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

42.2356, 46.8644, 8.9175

Protanopia

42.5106, 47.0062, 8.9304

Deuteranopia

47.7498, 46.7424, 9.0903



Tritanopia

50.9462, 46.8827, 51.7115

Trichromacy



Original Color

42.2356, 46.8644, 8.9175

Protanomaly

42.5106, 47.0062, 8.9304

Deuteranomaly

45.6920, 46.8418, 9.0160

Tritanomaly

46.0732, 46.0275, 28.2857

Monochromacy



Original Color

42.2356, 46.8644, 8.9175

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1910, 43.1153, 25.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2356, 46.8644, 8.9175 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, 183, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 41)  
}
```

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, 183, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 41) }
```

Border

The CSS property to change the border of an element to XYZ 42.2356, 46.8644, 8.9175 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, 183, 41) }
```


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

```
.border{ border-color:rgb(204, 183, 41) }
```

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

Here you see how a box with a 4 pixel rgb(204, 183, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 183, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 183, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 183,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2356, 46.8644, 8.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 41) }
```

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

```
.background{ background-color: rgb(204,  
183, 41) }
```

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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