

Converting Colors

XYZ(42.3399, 46.5458, 11.9069)

Have a look what the booklet for
XYZ(42.3399, 46.5458, 11.9069)
contains.

XYZ(42.3399, 46.5458, 11.9069)	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(42.3399, 46.5458,
11.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB642
RGB	203, 182, 66
RGB Percent	80%, 71%, 26%
CMY	0.2039, 0.2863, 0.7412
CMYK	0.00, 0.10, 0.67, 0.20
HSL	51°, 57%, 53%
HSV	51°, 67%, 80%
XYZ	42.3399, 46.5458, 11.9069
YIQ	175.0550, 49.7520, -31.6240

Conversions

Conversions Part 2

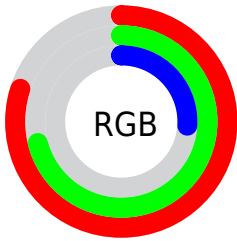
Format	Color
RYB	91, 203, 66
Decimal	13350466
CIELab	73.90, -5.63, 59.36
CIELCh	74, 59.623, 95.418
Yxy	46.5458, 0.4201, 0.4618
Android (android.graphics.Color)	4291540546 (0xFFCBB642)
YUV	175.0550, -53.7641, 24.5078
Hunter-Lab	68.2245, -8.6163, 37.4095

Details

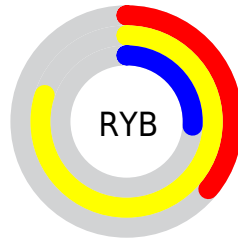
The XYZ color **42.3399, 46.5458, 11.9069** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.4344, 12.2860, 58.0047**, and the grayscale version is **41.0288, 43.1655, 47.0072**.

A 20% lighter version of the original color is **75.2047, 83.7651, 29.9739**, and **19.5273, 21.7203, 3.1632** is the 20% darker color. If you saturate the color by 10%, you get **41.2147, 45.0894, 9.0851**, and if you desaturate by 10%, it is **43.6937, 48.1199, 15.8535**.

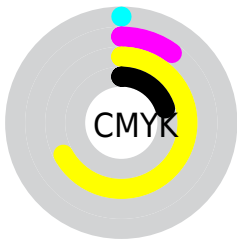
Distribution



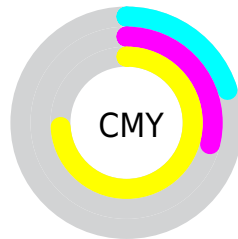
- Red (80%)
- Green (71%)
- Blue (26%)



- Red (36%)
- Yellow (80%)
- Blue (26%)



- Cyan (0%)
- Magenta (10%)
- Yellow (67%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3399, 46.5458, 11.9069 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 42.3399, 46.5458, 11.9069 by changing the saturation by 10% instead.

■ 42.3399, 46.5458,
11.9069

■ 42.3399, 46.5458,
11.9069

346.8577,
372.9986, 214.7440

■ 29.5598, 32.6767,
6.5585

■ 77.9757, 85.0352,
29.9873

■ 19.6511, 21.8789,
3.1134

■ 101.5622,
110.4244, 43.5564

■ 12.2485, 13.7680,
1.1528

■ 129.4815,
140.4224, 60.7028

■ 6.9865, 7.9595,
0.0000

■ 162.0989,
175.4136, 81.8452

■ 3.4999, 4.0690,
0.0000

■ 199.7799,
215.7825, 107.4019

■ 1.4233, 1.7122,
0.0000

242.8898,

■ 0.2728, 0.4316,

261.9133, 137.7916

0.0000

291.7940,
314.1906, 173.4327

■ 0.0000, 0.0000,
0.0000

■ 42.3399, 46.5458,
11.9069

■ 42.3399, 46.5458,
11.9069

■ 41.2147, 45.0894,
9.0851

■ 43.6937, 48.1199,
15.8535

■ 40.2913, 43.7344,
7.2607

■ 45.2932, 49.8132,
21.0284

■ 39.5373, 42.4696,
6.2602

■ 47.1575, 51.6354,
27.5268

■ 39.3602, 42.1600,
6.0632

■ 49.3027, 53.5931,
35.4334

■ 51.7437, 55.6923,
44.8260

■ 54.4942, 57.9386,
55.7768

■ 57.5672, 60.3374,
68.3531

■ 60.9747, 62.8937,
82.6183

■ 64.7283, 65.6121,
98.6325

Harmonies

Analogous

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



53.2909, 46.5458, 13.9305



42.3399, 46.5458, 11.9069



33.4292, 46.5458, 16.3981

Triad

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



42.3399, 46.5458, 11.9069



29.5976, 46.5458, 92.6933



65.5308, 46.5458, 79.1107

Complementary

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



42.3399, 46.5458, 11.9069



16.4344, 12.2860, 58.0047

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.



57.1623, 46.5458, 114.8457



42.3399, 46.5458, 11.9069



36.2774, 46.5458, 124.6396

Square

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



42.3399, 46.5458, 11.9069



26.8653, 46.5458, 56.4062



46.1969, 46.5458, 134.0483



67.8439, 46.5458, 45.3559

Rectangle

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



42.3399, 46.5458, 11.9069



29.4670, 46.5458, 24.2052



46.1969, 46.5458, 134.0483



63.2737, 46.5458, 91.6508

Sweetspot

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



42.3410, 46.5480, 11.9078



85.4563, 92.2541, 70.4295



28.3731, 17.3118, 11.2612



18.0396, 19.5307, 14.1039



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.



42.3410, 46.5480, 11.9078



68.2635, 74.4385, 13.6154



36.3091, 50.3067, 12.9512



12.0017, 12.7924, 11.9161



25.1028, 26.9386, 3.8766



1.3356, 1.4709, 0.2135

Inverse Universe

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



16.4344, 12.2860, 58.0047



22.1664, 13.6117, 96.0668



19.3678, 11.6316, 57.7238



10.7382, 11.1169, 14.1502



7.2163, 3.4565, 36.2431



0.4175, 0.2688, 1.8848

Previews

White Background



This preview shows how the XYZ color 42.3399, 46.5458, 11.9069 looks on a white background.

Color Contrast Check

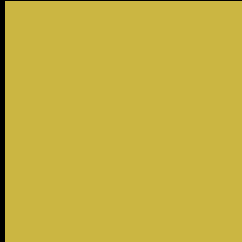
Large Text (above 18pt) WCAG AA × Fail

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 42.3399, 46.5458, 11.9069 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 42.3399, 46.5458, 11.9069

Background



This preview shows how black text looks on a background with the XYZ color 42.3399, 46.5458, 11.9069.



This preview shows how white text looks on a background with the XYZ color 42.3399, 46.5458,

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

42.3399, 46.5458, 11.9069

Protanopia

42.3399, 46.5458, 11.9069

Deuteranopia

47.3818, 46.4856, 12.1055



Tritanopia

50.4670, 46.3563, 51.6352

Trichromacy



Original Color

42.3399, 46.5458, 11.9069

Protanomaly

42.3399, 46.5458, 11.9069

Deuteranomaly

45.4822, 46.3734, 12.0226

Tritanomaly

46.2383, 45.7505, 31.5930

Monochromacy



Original Color

42.3399, 46.5458, 11.9069

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.3012, 43.9043, 29.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3399, 46.5458, 11.9069 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(203, 182, 66)` looks like.

```
.text, #text, p{  
    color:rgb(203, 182, 66)  
}
```

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(203, 182, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 182, 66) }
```

Border

The CSS property to change the border of an element to XYZ 42.3399, 46.5458, 11.9069 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(203, 182, 66) }
```


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

```
.border{ border-color:rgb(203, 182, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 182, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 182, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 182, 66);  
box-shadow:4px 4px 4px 4px rgb(203, 182,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3399, 46.5458, 11.9069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 182, 66) }
```

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

```
.background{ background-color: rgb(203,  
182, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor