

Converting Colors

XYZ(39.8376, 43.1148, 6.2223)

Have a look what the booklet for
XYZ(39.8376, 43.1148, 6.2223)
contains.

XYZ(39.7647, 42.9686, 6.1980)	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(39.7647, 42.9686,
6.1980)**

Conversions

Conversions Part 1

Format	Color
Hex	CBAE00
RGB	203, 174, 0
RGB Percent	80%, 68%, 0%
CMY	0.2039, 0.3176, 0.9999
CMYK	0.00, 0.14, 1.00, 0.20
HSL	51°, 100%, 40%
HSV	51°, 100%, 80%
XYZ	39.7647, 42.9686, 6.1980
YIQ	162.8350, 73.1380, -47.9660

Conversions

Conversions Part 2

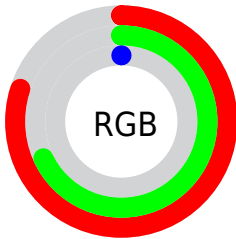
Format	Color
R _Y B	34, 203, 0
Decimal	13348352
CIE Lab	71.53, -3.34, 73.98
CIE LCh	72, 74.060, 92.586
Yxy	42.9686, 0.4471, 0.4832
Android (android.graphics.Color)	4291538432 (0xFFCBAE00)
YUV	162.8350, -80.2777, 35.2247
Hunter-Lab	65.5504, -6.4303, 40.2793

Details

The XYZ color **39.7647, 42.9686, 6.1980** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.2194, 5.1913, 56.9103**, and the grayscale version is **35.0796, 36.9065, 40.1912**.

A 20% lighter version of the original color is **70.6706, 77.8631, 18.7015**, and **18.4611, 19.8484, 2.8581** is the 20% darker color. If you saturate the color by 10%, you get **39.7650, 42.9696, 6.1981**, and if you desaturate by 10%, it is **40.4610, 44.1549, 7.0670**.

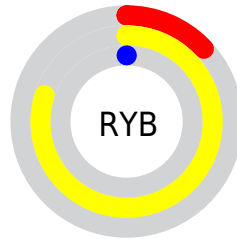
Distribution



Red (80%)

Green (68%)

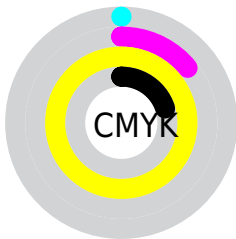
Blue (0%)



Red (13%)

Yellow (80%)

Blue (0%)

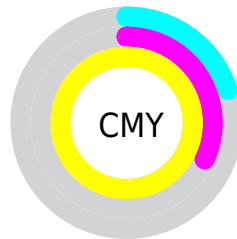


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7647, 42.9686, 6.1980 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 39.7647, 42.9686, 6.1980 by changing the saturation by 10% instead.


 39.7647, 42.9686,
6.1980


 39.7647, 42.9686,
6.1980


336.2823,
358.4826, 170.1925


 27.5385, 29.8605,
2.8951


 74.0917, 79.6635,
18.8252

 18.1168, 19.7327,
1.0413


 96.9232, 104.0190,
28.9866

 11.1340, 12.2009,
0.0000


 124.0206,
132.8925, 42.2713

 6.2250, 6.8807,
0.0000

 155.7491,
166.6683, 59.0978

 3.0243, 3.3876,
0.0000

 192.4742,
205.7308, 79.8846

 1.1666, 1.3373,
0.0000

 234.5612,

 0.0798, 0.1698,

250.4644, 105.0503

0.0000

282.3754,
301.2536, 135.0134

■ 0.0000, 0.0000,
0.0000

■ 39.7647, 42.9686,
6.1980

■ 39.7647, 42.9686,
6.1980

■ 39.7650, 42.9696,
6.1981

■ 40.4610, 44.1549,
7.0670

■ 41.3040, 45.4176,
8.6527

■ 42.3412, 46.7777,
11.2008

■ 43.5975, 48.2451,
14.8421

■ 45.0940, 49.8283,
19.6868

■ 46.8490, 51.5349,
25.8316

■ 48.8792, 53.3717,
33.3636

■ 51.1997, 55.3447,
42.3620

■ 53.8245, 57.4597,
52.9004

Harmonies

Analogous

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



52.9439, 42.9686, 8.4107



39.7647, 42.9686, 6.1980



29.2090, 42.9686, 9.4400

Triad

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



39.7647, 42.9686, 6.1980



23.7433, 42.9686, 94.5476



66.1254, 42.9686, 86.2011

Complementary

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



39.7647, 42.9686, 6.1980



11.2194, 5.1913, 56.9103

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.



55.2103, 42.9686, 132.1218



39.7647, 42.9686, 6.1980



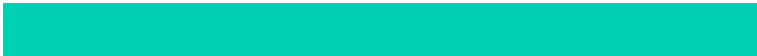
30.7382, 42.9686, 138.4292

Square

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



39.7647, 42.9686, 6.1980



21.2184, 42.9686, 49.9629



41.9353, 42.9686, 154.8336



69.8844, 42.9686, 43.7457

Rectangle

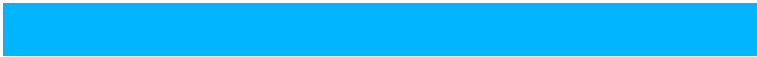
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.7647, 42.9686, 6.1980



24.5618, 42.9686, 16.1753



41.9353, 42.9686, 154.8336



63.0751, 42.9686, 102.3486

Sweetspot

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



39.7657, 42.9707, 6.1988



81.6987, 89.2395, 55.3021



24.8690, 12.7930, 2.4183



17.1654, 18.8147, 10.6300



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.



39.7657, 42.9707, 6.1988



66.4609, 71.7017, 10.3370



30.8648, 47.6137, 7.5642



12.0120, 12.8129, 11.9195



25.3575, 27.4480, 3.9615



1.3465, 1.4927, 0.2172

Inverse Universe

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



11.2194, 5.1913, 56.9103



18.6938, 8.5076, 95.2646



13.3827, 5.6541, 56.8856



10.7289, 11.0982, 14.1471



7.1800, 3.3840, 36.2310



0.4132, 0.2602, 1.8834

Previews

White Background



This preview shows how the XYZ color 39.7647, 42.9686, 6.1980 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 39.7647, 42.9686, 6.1980 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 39.7647, 42.9686, 6.1980

Background



This preview shows how black text looks on a background with the XYZ color 39.7647, 42.9686, 6.1980.



This preview shows how white text looks on a background with the XYZ color 39.7647, 42.9686,

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

39.7647, 42.9686, 6.1980

Protanopia

38.8469, 43.0696, 6.4381

Deuteranopia

43.8867, 42.8525, 6.6201



Tritanopia

48.0009, 43.0428, 45.8226

Trichromacy



Original Color

39.7647, 42.9686, 6.1980

Protanomaly

39.1713, 42.9481, 6.3401

Deuteranomaly

42.2849, 42.8521, 6.4234

Tritanomaly

42.8000, 41.9754, 20.8852

Monochromacy



Original Color

39.7647, 42.9686, 6.1980

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6775, 38.1019, 18.6234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7647, 42.9686, 6.1980 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, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 174, 0)  
}
```

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, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.7647, 42.9686, 6.1980 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, 174, 0) }
```


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

```
.border{ border-color:rgb(203, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7647, 42.9686, 6.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 174, 0) }
```

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

```
.background{ background-color: rgb(203,  
174, 0) }
```

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