

Converting Colors

XYZ(38.5306, 39.8753, 13.0726)

Have a look what the booklet for
XYZ(38.5306, 39.8753, 13.0726)
contains.

XYZ(38.6007, 39.9791, 13.0794)	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(38.6007, 39.9791,
13.0794)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A64F
RGB	199, 166, 79
RGB Percent	78%, 65%, 31%
CMY	0.2196, 0.3490, 0.6902
CMYK	0.00, 0.17, 0.60, 0.22
HSL	44°, 52%, 55%
HSV	44°, 60%, 78%
XYZ	38.6007, 39.9791, 13.0794
YIQ	165.9490, 47.5950, -20.0610

Conversions

Conversions Part 2

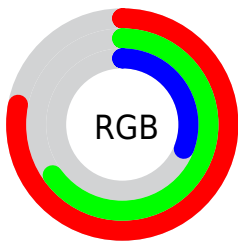
Format	Color
RYB	125, 199, 79
Decimal	13084239
CIELab	69.45, 1.93, 48.65
CIELCh	69, 48.692, 87.723
Yxy	39.9791, 0.4211, 0.4362
Android (android.graphics.Color)	4291274319 (0xFFC7A64F)
YUV	165.9490, -42.8659, 28.9857
Hunter-Lab	63.2290, -1.6783, 31.9957

Details

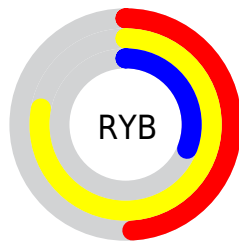
The XYZ color **38.6007, 39.9791, 13.0794** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.3272, 17.3735, 56.3673**, and the grayscale version is **36.4063, 38.3023, 41.7112**.

A 20% lighter version of the original color is **71.1932, 74.6116, 32.1219**, and **17.3705, 17.8645, 3.5696** is the 20% darker color. If you saturate the color by 10%, you get **37.0087, 37.7860, 9.4945**, and if you desaturate by 10%, it is **40.4537, 42.3474, 17.8217**.

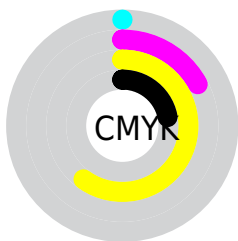
Distribution



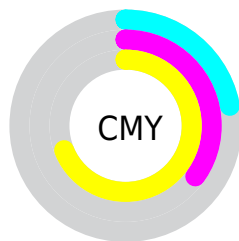
- Red (78%)
- Green (65%)
- Blue (31%)



- Red (49%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (17%)
- Yellow (60%)
- Black (22%)



- Cyan (22%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6007, 39.9791, 13.0794 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 38.6007, 39.9791, 13.0794 by changing the saturation by 10% instead.

■ 38.6007, 39.9791,
13.0794

■ 38.6007, 39.9791,
13.0794

331.4263,
346.0355, 222.6516

■ 26.6286, 27.5222,
7.3519

■ 72.3259, 75.1317,
32.1396

■ 17.4296, 17.9658,
3.6014

■ 94.8097, 98.5962,
46.3094

■ 10.6385, 10.9255,
1.4093

■ 121.5281,
126.4988, 64.1304

■ 5.8898, 6.0167,
0.1490

■ 152.8464,
159.2237, 86.0210

■ 2.8182, 2.8553,
0.0000

■ 189.1300,
197.1555, 112.3999

■ 1.0584, 1.0566,
0.0000

230.7443,

■ 0.0000, 0.0000,

240.6784, 143.6856

0.0000

278.0546,
290.1769, 180.2967

■ 38.6007, 39.9791,
13.0794

■ 38.6007, 39.9791,
13.0794

■ 37.0087, 37.7860,
9.4945

■ 40.4537, 42.3474,
17.8217

■ 35.6543, 35.7533,
6.9590

■ 42.5830, 44.8932,
23.8115

■ 34.5143, 33.8723,
5.3486

■ 45.0057, 47.6258,
31.1329

■ 33.5693, 32.1744,
4.4410

■ 47.7368, 50.5518,
39.8617

■ 50.7899, 53.6775,
50.0683

■ 54.1781, 57.0089,
61.8180

■ 57.9134, 60.5516,
75.1724

■ 62.0074, 64.3109,
90.1898

■ 65.9673, 68.0904,
104.2737

Harmonies

Analogous

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



46.6276, 39.9791, 16.2872



38.6007, 39.9791, 13.0794



31.4108, 39.9791, 15.4132

Triad

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



38.6007, 39.9791, 13.0794



26.1594, 39.9791, 66.8526



52.2170, 39.9791, 70.8837

Complementary

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



38.6007, 39.9791, 13.0794



19.3272, 17.3735, 56.3673

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.



45.4493, 39.9791, 94.0002



38.6007, 39.9791, 13.0794



30.5064, 39.9791, 91.1650

Square

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



38.6007, 39.9791, 13.0794



24.8427, 39.9791, 41.8385



37.4035, 39.9791, 102.4624



55.1331, 39.9791, 45.2674

Rectangle

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



38.6007, 39.9791, 13.0794



27.9039, 39.9791, 20.4738



37.4035, 39.9791, 102.4624



50.2751, 39.9791, 79.4962

Sweetspot

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



38.6016, 39.9810, 13.0802



84.6262, 89.5988, 73.2206



29.3300, 18.9267, 17.7306



17.7917, 18.8419, 14.6166



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.



38.6016, 39.9810, 13.0802



64.1064, 65.1524, 15.2257



39.0683, 50.2954, 15.0465



11.2678, 11.9048, 11.2667



21.6622, 20.8417, 2.8811



1.0840, 1.1034, 0.1558

Inverse Universe

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



19.3272, 17.3735, 56.3673



27.6230, 22.4649, 97.4880



18.9308, 12.7192, 55.4898



10.2901, 10.7542, 13.4509



7.5623, 4.5186, 35.2180



0.4204, 0.3386, 1.6883

Previews

White Background



This preview shows how the XYZ color 38.6007, 39.9791, 13.0794 looks on a white background.

Color Contrast Check

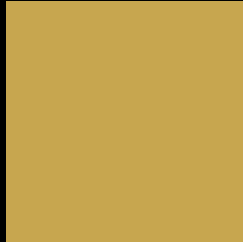
Large Text (above 18pt) WCAG AA × Fail

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 38.6007, 39.9791, 13.0794 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 38.6007, 39.9791, 13.0794

Background



This preview shows how black text looks on a background with the XYZ color 38.6007, 39.9791, 13.0794.



This preview shows how white text looks on a background with the XYZ color 38.6007, 39.9791,

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

38.6007, 39.9791, 13.0794

Protanopia

36.5617, 40.0200, 13.3870

Deuteranopia

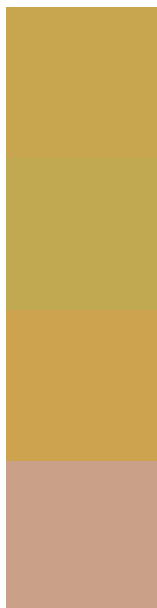
40.9466, 40.1215, 13.1755



Tritanopia

44.4099, 39.7259, 42.3730

Trichromacy



Original Color

38.6007, 39.9791, 13.0794

Protanomaly

37.3742, 40.1616, 13.3715

Deuteranomaly

39.9988, 39.8954, 13.1818

Tritanomaly

41.6433, 39.6157, 28.7443

Monochromacy



Original Color

38.6007, 39.9791, 13.0794

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2994, 38.4586, 28.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6007, 39.9791, 13.0794 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(199, 166, 79)` looks like.

```
.text, #text, p{  
    color:rgb(199, 166, 79)  
}
```

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(199, 166, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 166, 79) }
```

Border

The CSS property to change the border of an element to XYZ 38.6007, 39.9791, 13.0794 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(199, 166, 79) }
```


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

```
.border{ border-color:rgb(199, 166, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 166, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 166, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 166, 79);  
box-shadow:4px 4px 4px 4px rgb(199, 166,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6007, 39.9791, 13.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 166, 79) }
```

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

```
.background{ background-color: rgb(199,  
166, 79) }
```

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