

Converting Colors

XYZ(39.9476, 40.5123, 13.6148)

Have a look what the booklet for
XYZ(39.9476, 40.5123, 13.6148)
contains.

XYZ(39.8800, 40.3568, 13.6704)	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(39.8800, 40.3568,
13.6704)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA552
RGB	204, 165, 82
RGB Percent	80%, 65%, 32%
CMY	0.2000, 0.3529, 0.6784
CMYK	0.00, 0.19, 0.60, 0.20
HSL	41°, 54%, 56%
HSV	41°, 60%, 80%
XYZ	39.8800, 40.3568, 13.6704
YIQ	167.1990, 49.8870, -17.5450

Conversions

Conversions Part 2

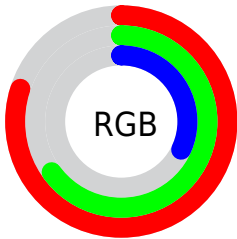
Format	Color
RYB	139, 204, 82
Decimal	13411666
CIELab	69.72, 4.82, 47.65
CIELCh	70, 47.895, 84.219
Yxy	40.3568, 0.4247, 0.4298
Android (android.graphics.Color)	4291601746 (0xFFCCA552)
YUV	167.1990, -42.0031, 32.2745
Hunter-Lab	63.5270, 0.8837, 31.7103

Details

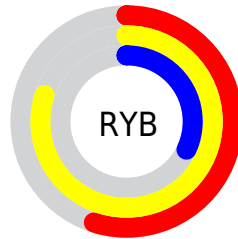
The XYZ color **39.8800, 40.3568, 13.6704** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.2160, 19.8276, 59.8355**, and the grayscale version is **37.0099, 38.9373, 42.4027**.

A 20% lighter version of the original color is **71.1363, 74.1676, 33.1208**, and **18.1851, 18.1122, 3.8339** is the 20% darker color. If you saturate the color by 10%, you get **38.0701, 37.8002, 9.7901**, and if you desaturate by 10%, it is **41.9825, 43.1295, 18.7874**.

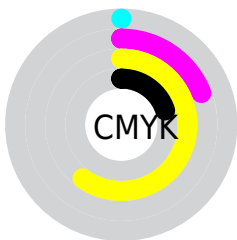
Distribution



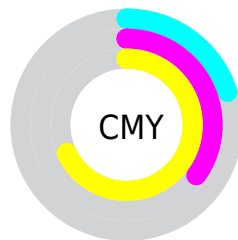
- Red (80%)
- Green (65%)
- Blue (32%)



- Red (55%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (19%)
- Yellow (60%)
- Black (20%)



- Cyan (20%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8800, 40.3568, 13.6704 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 39.8800, 40.3568, 13.6704 by changing the saturation by 10% instead.

39.8800, 40.3568,
13.6704

39.8800, 40.3568,
13.6704

336.7606,
347.6251, 226.5273

27.6288, 27.8168,
7.7557

74.2662, 75.7065,
33.2117

18.1850, 18.1876,
3.8535

97.1320, 99.2851,
47.6754

11.1834, 11.0848,
1.5453

124.2666,
127.3120, 65.8257

6.2585, 6.1239,
0.2513

156.0355,
160.1716, 88.0814

3.0451, 2.9206,
0.0000

192.8040,
198.2483, 114.8608

1.1776, 1.0904,
0.0000

234.9375,

0.0886, 0.0000,

241.9266, 146.5826

0.0000

282.8012,
291.5907, 183.6652

■ 0.0000, 0.0000,
0.0000

■ 39.8800, 40.3568,
13.6704

■ 39.8800, 40.3568,
13.6704

■ 38.0701, 37.8002,
9.7901

■ 41.9825, 43.1295,
18.7874

■ 36.5280, 35.4437,
7.0325

■ 44.3942, 46.1217,
25.2367

■ 35.2286, 33.2774,
5.2663

■ 47.1335, 49.3436,
33.1071

■ 34.1255, 31.2812,
4.2508

■ 50.2166, 52.8031,
42.4793

■ 34.1047, 31.2431,
4.2330

■ 53.6583, 56.5073,
53.4276

■ 57.4726, 60.4631,
66.0215

■ 61.6726, 64.6771,
80.3263

■ 66.2707, 69.1554,
96.4037

■ 69.5242, 73.2022,
105.0729

Harmonies

Analogous

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



47.7568, 40.3568, 17.5981



39.8800, 40.3568, 13.6704



32.5585, 40.3568, 15.3624

Triad

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



39.8800, 40.3568, 13.6704



26.2994, 40.3568, 63.8991



51.7759, 40.3568, 73.9500

Complementary

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



39.8800, 40.3568, 13.6704



21.2160, 19.8276, 59.8355

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.



44.8081, 40.3568, 95.5482



39.8800, 40.3568, 13.6704



30.2810, 40.3568, 88.5070

Square

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



39.8800, 40.3568, 13.6704



25.3492, 40.3568, 39.7779



36.8751, 40.3568, 101.6186



55.1943, 40.3568, 48.3863

Rectangle

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



39.8800, 40.3568, 13.6704



28.8674, 40.3568, 19.8860



36.8751, 40.3568, 101.6186



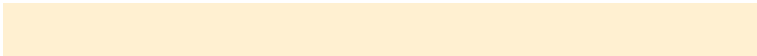
49.7293, 40.3568, 82.2178

Sweetspot

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



39.8810, 40.3587, 13.6712



84.0180, 88.3823, 73.0178



31.4737, 20.2941, 20.8885



17.6423, 18.5431, 14.5668



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.



39.8810, 40.3587, 13.6712



62.2013, 61.3423, 14.5906



42.8034, 53.9441, 16.1394



11.8397, 12.4684, 11.8621



21.5531, 19.8391, 2.6934



1.1785, 1.1567, 0.1611

Inverse Universe

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



21.2160, 19.8276, 59.8355



28.6719, 24.5626, 97.8376



19.4341, 13.2390, 58.6577



10.8896, 11.4196, 14.2006



8.1322, 5.2883, 36.5484



0.4881, 0.4100, 1.9084

Previews

White Background



This preview shows how the XYZ color 39.8800, 40.3568, 13.6704 looks on a white background.

Color Contrast Check

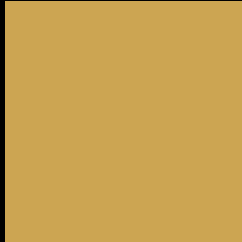
Large Text (above 18pt) WCAG AA × Fail

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 39.8800, 40.3568, 13.6704 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 39.8800, 40.3568, 13.6704

Background



This preview shows how black text looks on a background with the XYZ color 39.8800, 40.3568, 13.6704.



This preview shows how white text looks on a background with the XYZ color 39.8800, 40.3568,

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

39.8800, 40.3568, 13.6704

Protanopia

37.1494, 40.5847, 14.2632

Deuteranopia

41.0600, 40.1668, 13.7725



Tritanopia

45.8203, 40.4530, 42.4390

Trichromacy



Original Color

39.8800, 40.3568, 13.6704

Protanomaly

37.9974, 40.4698, 13.9924

Deuteranomaly

40.6710, 40.2288, 13.8050

Tritanomaly

42.9259, 40.0123, 29.1276

Monochromacy



Original Color

39.8800, 40.3568, 13.6704

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9025, 38.7533, 28.8277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8800, 40.3568, 13.6704 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, 165, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 82)  
}
```

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, 165, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 82) }
```

Border

The CSS property to change the border of an element to XYZ 39.8800, 40.3568, 13.6704 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, 165, 82) }
```


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

```
.border{ border-color:rgb(204, 165, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8800, 40.3568, 13.6704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 82) }
```

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

```
.background{ background-color: rgb(204,  
165, 82) }
```

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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