

Converting Colors

XYZ(35.5007, 33.0045, 9.2033)

Have a look what the booklet for
XYZ(35.5007, 33.0045, 9.2033)
contains.

XYZ(35.4991, 33.0019, 9.2016)	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(35.4991, 33.0019,
9.2016)**

Conversions

Conversions Part 1

Format	Color
Hex	CB903F
RGB	203, 144, 63
RGB Percent	80%, 56%, 25%
CMY	0.2039, 0.4353, 0.7529
CMYK	0.00, 0.29, 0.69, 0.20
HSL	35°, 57%, 52%
HSV	35°, 69%, 80%
XYZ	35.4991, 33.0019, 9.2016
YIQ	152.4070, 61.1650, -12.6830

Conversions

Conversions Part 2

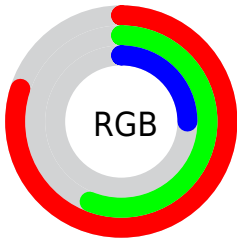
Format	Color
RYB	165, 203, 63
Decimal	13340735
CIELab	64.16, 14.55, 50.44
CIELCh	64, 52.501, 73.910
Yxy	33.0019, 0.4569, 0.4247
Android (android.graphics.Color)	4291530815 (0xFFCB903F)
YUV	152.4070, -44.0777, 44.3701
Hunter-Lab	57.4473, 9.7699, 30.7163

Details

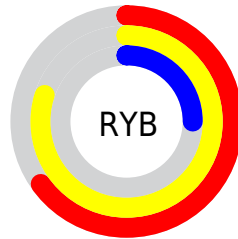
The XYZ color **35.4991, 33.0019, 9.2016** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.7886, 19.2868, 59.1794**, and the grayscale version is **30.1881, 31.7602, 34.5868**.

A 20% lighter version of the original color is **64.4713, 62.8631, 24.6554**, and **15.7181, 14.0405, 2.0827** is the 20% darker color. If you saturate the color by 10%, you get **33.7862, 30.3228, 6.3291**, and if you desaturate by 10%, it is **37.5208, 35.9643, 13.2092**.

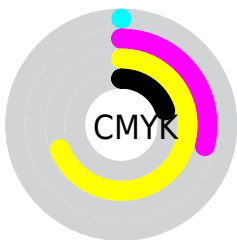
Distribution



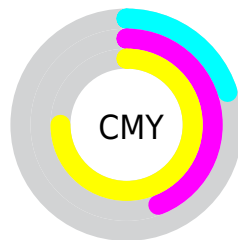
- Red (80%)
- Green (56%)
- Blue (25%)



- Red (65%)
- Yellow (80%)
- Blue (25%)



- Cyan (0%)
- Magenta (29%)
- Yellow (69%)
- Black (20%)





- Cyan (20%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4991, 33.0019, 9.2016 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 35.4991, 33.0019, 9.2016 by changing the saturation by 10% instead.


 35.4991, 33.0019,
9.2016


 35.4991, 33.0019,
9.2016


318.2354,
315.6583, 195.1479


 24.2159, 22.1279,
4.7743


 67.5872, 64.3785,
24.8664

 15.6195, 13.9509,
2.0590


 89.1228, 85.6499,
36.9411


 9.3444, 8.0865,
0.5912


 114.8065,
111.1559, 52.4019

 5.0254, 4.1504,
0.0000

 145.0038,
141.2808, 71.6675

 2.2971, 1.7580,
0.0000

 180.0800,
176.4091, 95.1563

 0.7932, 0.4608,
0.0000

220.4004,

 0.0000, 0.0000,

216.9252, 123.2870

0.0000

266.3305,
263.2135, 156.4780

■ 35.4991, 33.0019,
9.2016

■ 35.4991, 33.0019,
9.2016

■ 33.7862, 30.3228,
6.3291

■ 37.5208, 35.9643,
13.2092

■ 32.3533, 27.9081,
4.4612

■ 39.8718, 39.2175,
18.4593

■ 31.1589, 25.7388,
3.3862

■ 42.5730, 42.7745,
25.0488

■ 31.0431, 25.5257,
3.2908

■ 45.6428, 46.6457,
33.0645

■ 49.0978, 50.8411,
42.5857

■ 52.9540, 55.3697,
53.6859

■ 57.2259, 60.2405,
66.4336

■ 61.9276, 65.4619,
80.8935

■ 67.0722, 71.0418,
97.1264

Harmonies

Analogous

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



42.8368, 33.0019, 14.3587



35.4991, 33.0019, 9.2016



28.0540, 33.0019, 9.0400

Triad

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



35.4991, 33.0019, 9.2016



19.4348, 33.0019, 46.7041



42.3652, 33.0019, 74.2435

Complementary

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



35.4991, 33.0019, 9.2016



19.7886, 19.2868, 59.1794

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.



34.9318, 33.0019, 92.1384



35.4991, 33.0019, 9.2016



22.1530, 33.0019, 72.4715

Square

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



35.4991, 33.0019, 9.2016



19.5373, 33.0019, 25.7377



27.5693, 33.0019, 91.3854



47.2087, 33.0019, 48.5186

Rectangle

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



35.4991, 33.0019, 9.2016



24.0475, 33.0019, 11.5372



27.5693, 33.0019, 91.3854



40.0395, 33.0019, 81.7565

Sweetspot

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



35.4999, 33.0035, 9.2022



80.8147, 83.4563, 67.3856



30.0232, 17.6986, 20.7926



16.9461, 17.4381, 13.4488



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.



35.4999, 33.0035, 9.2022



55.2845, 48.6411, 8.7942



44.4157, 54.4959, 12.8807



11.7424, 12.2737, 11.8296



19.8476, 16.4282, 2.1249



1.0980, 0.9957, 0.1343

Inverse Universe

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



19.7886, 19.2868, 59.1794



27.3854, 24.3901, 97.8721



15.2546, 9.2577, 57.4826



10.9838, 11.6080, 14.2320



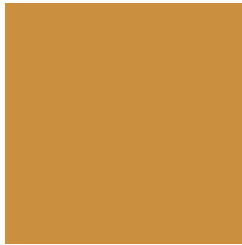
9.0406, 7.1051, 36.8512



0.5409, 0.5157, 1.9260

Previews

White Background



This preview shows how the XYZ color 35.4991, 33.0019, 9.2016 looks on a white background.

Color Contrast Check

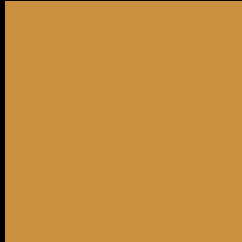
Large Text (above 18pt) WCAG AA × Fail

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 35.4991, 33.0019, 9.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

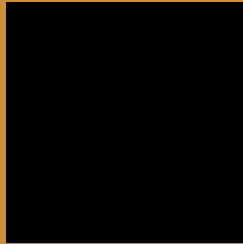
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4991, 33.0019, 9.2016

Background



This preview shows how black text looks on a background with the XYZ color 35.4991, 33.0019, 9.2016.



This preview shows how white text looks on a background with the XYZ color 35.4991, 33.0019,

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

35.4991, 33.0019, 9.2016

Protanopia

30.1352, 33.0664, 10.1044

Deuteranopia

33.7075, 32.9969, 9.1499



Tritanopia

40.1468, 32.9586, 31.4398

Trichromacy



Original Color

35.4991, 33.0019, 9.2016

Protanomaly

31.9788, 33.0402, 9.8462

Deuteranomaly

34.3292, 33.0856, 9.1342

Tritanomaly

37.9730, 32.7033, 20.8340

Monochromacy



Original Color

35.4991, 33.0019, 9.2016

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9322, 31.5089, 22.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4991, 33.0019, 9.2016 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, 144, 63)` looks like.

```
.text, #text, p{  
    color:rgb(203, 144, 63)  
}
```

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, 144, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 144, 63) }
```

Border

The CSS property to change the border of an element to XYZ 35.4991, 33.0019, 9.2016 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, 144, 63) }
```


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

```
.border{ border-color:rgb(203, 144, 63) }
```

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

Here you see how a box with a 4 pixel rgb(203, 144, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 144, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 144, 63);  
box-shadow:4px 4px 4px 4px rgb(203, 144,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4991, 33.0019, 9.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 144, 63) }
```

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

```
.background{ background-color: rgb(203,  
144, 63) }
```

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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