

Converting Colors

XYZ(33.5231, 32.4553, 8.3685)

Have a look what the booklet for
XYZ(33.5231, 32.4553, 8.3685)
contains.

XYZ(33.5231, 32.4553, 8.3685)	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(33.5231, 32.4553,
8.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	C39239
RGB	195, 146, 57
RGB Percent	76%, 57%, 22%
CMY	0.2353, 0.4274, 0.7765
CMYK	0.00, 0.25, 0.71, 0.24
HSL	39°, 55%, 49%
HSV	39°, 71%, 76%
XYZ	33.5231, 32.4553, 8.3685
YIQ	150.5050, 57.7730, -17.2910

Conversions

Conversions Part 2

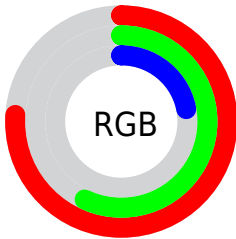
Format	Color
RYB	133, 195, 57
Decimal	12816953
CIELab	63.72, 9.66, 52.41
CIELCh	64, 53.293, 79.557
Yxy	32.4553, 0.4509, 0.4365
Android (android.graphics.Color)	4291007033 (0xFFC39239)
YUV	150.5050, -46.0980, 39.0221
Hunter-Lab	56.9696, 5.3396, 31.1693

Details

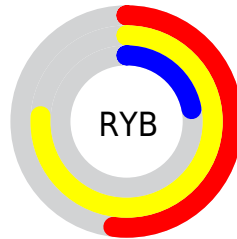
The XYZ color **33.5231, 32.4553, 8.3685** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.6914, 15.1174, 53.6677**, and the grayscale version is **29.3779, 30.9079, 33.6587**.

A 20% lighter version of the original color is **64.6546, 63.6727, 23.3504**, and **14.4994, 13.6841, 1.8771** is the 20% darker color. If you saturate the color by 10%, you get **32.0920, 30.2278, 5.9350**, and if you desaturate by 10%, it is **35.2071, 34.8900, 11.8082**.

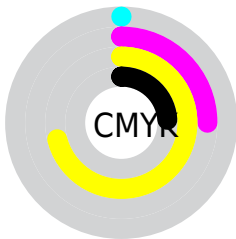
Distribution



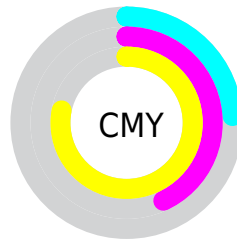
- Red (76%)
- Green (57%)
- Blue (22%)



- Red (52%)
- Yellow (76%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (71%)
- Black (24%)





- Cyan (24%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5231, 32.4553, 8.3685 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 33.5231, 32.4553, 8.3685 by changing the saturation by 10% instead.


 33.5231, 32.4553,
8.3685


 33.5231, 32.4553,
8.3685

309.6238,
313.1881, 188.6357

 22.6886, 21.7095,
4.2405


 64.5406, 63.5242,
23.2357

 14.4832, 13.6436,
1.7582


 85.4543, 84.6160,
34.8120


 8.5414, 7.8732,
0.4002


 110.4585,
109.9254, 49.7082

 4.4980, 4.0139,
0.0000

 139.9185,
139.8366, 68.3427

 1.9875, 1.6814,
0.0000

 174.1997,
174.7341, 91.1342

 0.6270, 0.4115,
0.0000

 213.6674,

 0.0000, 0.0000,

215.0022, 118.5012

0.0000

258.6870,
261.0254, 150.8621

■ 33.5231, 32.4553,
8.3685

■ 33.5231, 32.4553,
8.3685

■ 32.0920, 30.2278,
5.9350

■ 35.2071, 34.8900,
11.8082

■ 30.8876, 28.1914,
4.3859

■ 37.1621, 37.5369,
16.3536

■ 29.9367, 26.4643,
3.5303

■ 39.4066, 40.4065,
22.0939

■ 41.9567, 43.5070,
29.1088

■ 44.8272, 46.8459,
37.4711

■ 48.0318, 50.4303,
47.2480

■ 51.5834, 54.2669,
58.5021

■ 55.4940, 58.3621,
71.2923

■ 59.7751, 62.7220,
85.6744

Harmonies

Analogous

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



41.1266, 32.4553, 12.3778



33.5231, 32.4553, 8.3685



26.2882, 32.4553, 9.0325

Triad

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



33.5231, 32.4553, 8.3685



19.2031, 32.4553, 50.9620



43.1114, 32.4553, 69.2725

Complementary

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



33.5231, 32.4553, 8.3685



16.6914, 15.1174, 53.6677

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.



35.9063, 32.4553, 89.9491



33.5231, 32.4553, 8.3685



22.4425, 32.4553, 76.7623

Square

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



33.5231, 32.4553, 8.3685



18.7759, 32.4553, 28.3992



28.3187, 32.4553, 93.1380



47.2256, 32.4553, 43.3247

Rectangle

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



33.5231, 32.4553, 8.3685



22.5801, 32.4553, 12.1761



28.3187, 32.4553, 93.1380



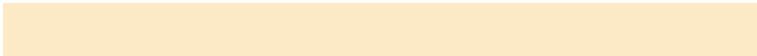
40.9212, 32.4553, 77.4489

Sweetspot

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



33.5238, 32.4569, 8.3691



79.9845, 83.5573, 66.2109



26.6544, 15.6028, 15.6832



17.1877, 17.9212, 13.5293



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.



33.5238, 32.4569, 8.3691



56.2332, 52.0734, 8.9099



38.2940, 48.6256, 11.2386



10.6028, 11.1371, 10.6527



19.5390, 17.3637, 2.3217



0.9072, 0.8762, 0.1213

Inverse Universe

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



16.6914, 15.1174, 53.6677



24.4598, 19.5128, 94.9470



14.2467, 8.3787, 52.4958



9.8144, 10.3201, 12.7595



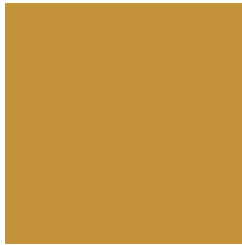
7.8671, 5.4908, 34.2018



0.4053, 0.3680, 1.4996

Previews

White Background



This preview shows how the XYZ color 33.5231, 32.4553, 8.3685 looks on a white background.

Color Contrast Check

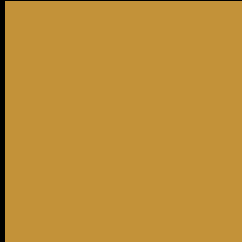
Large Text (above 18pt) WCAG AA × Fail

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 33.5231, 32.4553, 8.3685 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 33.5231, 32.4553, 8.3685

Background



This preview shows how black text looks on a background with the XYZ color 33.5231, 32.4553, 8.3685.



This preview shows how white text looks on a background with the XYZ color 33.5231, 32.4553,

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

33.5231, 32.4553, 8.3685

Protanopia

29.7443, 32.6427, 8.8706

Deuteranopia

33.1646, 32.5003, 8.3961



Tritanopia

38.2995, 32.4154, 31.8420

Trichromacy



Original Color

33.5231, 32.4553, 8.3685

Protanomaly

31.0480, 32.5857, 8.6563

Deuteranomaly

33.4204, 32.6322, 8.4081

Tritanomaly

35.9685, 32.1132, 20.2223

Monochromacy



Original Color

33.5231, 32.4553, 8.3685

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.8947, 30.9947, 21.2366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5231, 32.4553, 8.3685 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(195, 146, 57)` looks like.

```
.text, #text, p{  
    color:rgb(195, 146, 57)  
}
```

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(195, 146, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 146, 57) }
```

Border

The CSS property to change the border of an element to XYZ 33.5231, 32.4553, 8.3685 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(195, 146, 57) }
```


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

```
.border{ border-color:rgb(195, 146, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 146, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 146, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 146, 57);  
box-shadow:4px 4px 4px 4px rgb(195, 146,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5231, 32.4553, 8.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 146, 57) }
```

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

```
.background{ background-color: rgb(195,  
146, 57) }
```

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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