

Converting Colors

XYZ(33.4093, 32.1458, 8.5821)

Have a look what the booklet for
XYZ(33.4093, 32.1458, 8.5821)
contains.

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Color

**XYZ(33.4205, 32.1687,
8.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	C3913B
RGB	195, 145, 59
RGB Percent	76%, 57%, 23%
CMY	0.2353, 0.4314, 0.7686
CMYK	0.00, 0.26, 0.70, 0.24
HSL	38°, 54%, 50%
HSV	38°, 70%, 76%
XYZ	33.4205, 32.1687, 8.5854
YIQ	150.1460, 57.4060, -16.1460

Conversions

Conversions Part 2

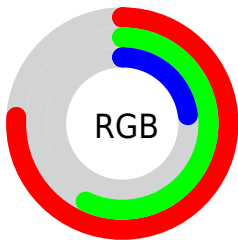
Format	Color
RYB	138, 195, 59
Decimal	12816699
CIELab	63.48, 10.31, 51.28
CIELCh	63, 52.302, 78.628
Yxy	32.1687, 0.4506, 0.4337
Android (android.graphics.Color)	4291006779 (0xFFC3913B)
YUV	150.1460, -44.9350, 39.3370
Hunter-Lab	56.7175, 5.9247, 30.7274

Details

The XYZ color **33.4205, 32.1687, 8.5854** 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 **17.1223, 15.8065, 53.7779**, and the grayscale version is **29.2200, 30.7418, 33.4778**.

A 20% lighter version of the original color is **64.4779, 63.2326, 23.5586**, and **14.4087, 13.5028, 1.8469** is the 20% darker color. If you saturate the color by 10%, you get **31.9452, 29.8821, 6.0475**, and if you desaturate by 10%, it is **35.1552, 34.6723, 12.1421**.

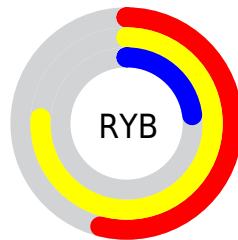
Distribution



Red (76%)

Green (57%)

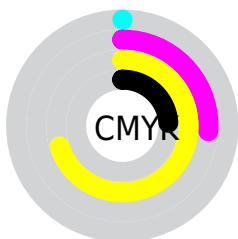
Blue (23%)



Red (54%)

Yellow (76%)

Blue (23%)

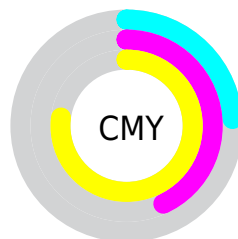


Cyan (0%)

Magenta (26%)

Yellow (70%)

Black (24%)



Cyan (24%)


Magenta (43%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4205, 32.1687, 8.5854 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 33.4205, 32.1687, 8.5854 by changing the saturation by 10% instead.


 33.4205, 32.1687,
8.5854


 33.4205, 32.1687,
8.5854


309.1719,
311.8870, 190.3569


 22.6095, 21.4904,
4.3787


 64.3818, 63.0755,
23.6632

 14.4246, 13.4829,
1.8353


 85.2628, 84.0727,
35.3713

 8.5002, 7.7619,
0.4511


 110.2312,
109.2784, 50.4169

 4.4711, 3.9430,
0.0000

 139.6524,
139.0769, 69.2186

 1.9720, 1.6417,
0.0000

 173.8917,
173.8526, 92.1949

 0.6181, 0.3855,
0.0000

 213.3145,

 0.0000, 0.0000,

213.9899, 119.7644

0.0000

258.2861,
259.8733, 152.3455

■ 33.4205, 32.1687,
8.5854

■ 33.4205, 32.1687,
8.5854

■ 31.9452, 29.8821,
6.0475

■ 35.1552, 34.6723,
12.1421

■ 30.7037, 27.7963,
4.4089

■ 37.1673, 37.3981,
16.8155

■ 29.6535, 25.8935,
3.4495

■ 39.4753, 40.3567,
22.6940

■ 29.6277, 25.8463,
3.4273

■ 42.0952, 43.5565,
29.8564

■ 45.0418, 47.0051,
38.3749

■ 48.3288, 50.7099,
48.3162

■ 51.9691, 54.6777,
59.7427

■ 55.9749, 58.9151,
72.7130

■ 60.3576, 63.4284,
87.2823

Harmonies

Analogous

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



40.7962, 32.1687, 12.7272



33.4205, 32.1687, 8.5854



26.3169, 32.1687, 9.1103

Triad

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



33.4205, 32.1687, 8.5854



19.1327, 32.1687, 49.4618



42.3339, 32.1687, 68.7822

Complementary

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



33.4205, 32.1687, 8.5854



17.1223, 15.8065, 53.7779

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.



35.2701, 32.1687, 88.4318



33.4205, 32.1687, 8.5854



22.2224, 32.1687, 74.5651

Square

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



33.4205, 32.1687, 8.5854



18.7991, 32.1687, 27.6987



27.8965, 32.1687, 90.8900



46.4611, 32.1687, 43.5440

Rectangle

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



33.4205, 32.1687, 8.5854



22.6402, 32.1687, 12.1089



27.8965, 32.1687, 90.8900



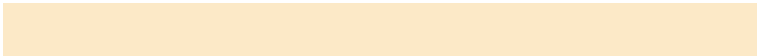
40.1768, 32.1687, 76.6267

Sweetspot

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



33.4212, 32.1703, 8.5860



79.7955, 83.1793, 66.1479



26.9463, 15.8809, 16.7229



17.1415, 17.8288, 13.5139



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.



33.4212, 32.1703, 8.5860



55.9297, 51.3992, 9.0159



38.9256, 48.9453, 11.5338



10.5921, 11.1156, 10.6491



19.3390, 16.9638, 2.2551



0.8995, 0.8608, 0.1187

Inverse Universe

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



17.1223, 15.8065, 53.7779



25.0518, 20.5546, 95.1168



14.3058, 8.5589, 52.5274



9.8248, 10.3408, 12.7630



7.9691, 5.6946, 34.2358



0.4104, 0.3781, 1.5012

Previews

White Background



This preview shows how the XYZ color 33.4205, 32.1687, 8.5854 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 33.4205, 32.1687, 8.5854 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 33.4205, 32.1687, 8.5854

Background



This preview shows how black text looks on a background with the XYZ color 33.4205, 32.1687, 8.5854.



This preview shows how white text looks on a background with the XYZ color 33.4205, 32.1687,

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

33.4205, 32.1687, 8.5854

Protanopia

29.4384, 32.2297, 9.2268

Deuteranopia

32.8065, 32.0800, 8.6006



Tritanopia

38.0799, 32.1011, 31.3832

Trichromacy



Original Color

33.4205, 32.1687, 8.5854

Protanomaly

30.7313, 32.1734, 9.0053

Deuteranomaly

33.0606, 32.2110, 8.6125

Tritanomaly

35.8231, 31.8223, 20.1738

Monochromacy



Original Color

33.4205, 32.1687, 8.5854

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5267, 30.5712, 21.1742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4205, 32.1687, 8.5854 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, 145, 59)` looks like.

```
.text, #text, p{  
    color:rgb(195, 145, 59)  
}
```

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, 145, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 145, 59) }
```

Border

The CSS property to change the border of an element to XYZ 33.4205, 32.1687, 8.5854 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, 145, 59) }
```


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

```
.border{ border-color:rgb(195, 145, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 145, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 145, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 145, 59);  
box-shadow:4px 4px 4px 4px rgb(195, 145,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4205, 32.1687, 8.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 145, 59) }
```

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

```
.background{ background-color: rgb(195,  
145, 59) }
```

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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