

Converting Colors

XYZ(33.3734, 33.2888, 9.4797)

Have a look what the booklet for
XYZ(33.3734, 33.2888, 9.4797)
contains.

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Color

**XYZ(33.3176, 33.2592,
9.5141)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9640
RGB	191, 150, 64
RGB Percent	75%, 59%, 25%
CMY	0.2510, 0.4117, 0.7490
CMYK	0.00, 0.21, 0.66, 0.25
HSL	41°, 50%, 50%
HSV	41°, 66%, 75%
XYZ	33.3176, 33.2592, 9.5141
YIQ	152.4550, 52.0420, -18.0540

Conversions

Conversions Part 2

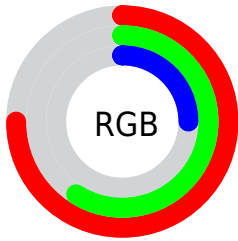
Format	Color
RYB	125, 191, 64
Decimal	12555840
CIELab	64.37, 6.12, 49.82
CIElCh	64, 50.195, 82.994
Yxy	33.2592, 0.4379, 0.4371
Android (android.graphics.Color)	4290745920 (0xFFBF9640)
YUV	152.4550, -43.6083, 33.8040
Hunter-Lab	57.6708, 2.1992, 30.5883

Details

The XYZ color **33.3176, 33.2592, 9.5141** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.5697, 14.9541, 51.3030**, and the grayscale version is **30.2097, 31.7829, 34.6116**.

A 20% lighter version of the original color is **64.1117, 64.7475, 25.3381**, and **14.4270, 14.1980, 2.1811** is the 20% darker color. If you saturate the color by 10%, you get **31.9065, 31.1630, 6.8062**, and if you desaturate by 10%, it is **34.9681, 35.5366, 13.2206**.

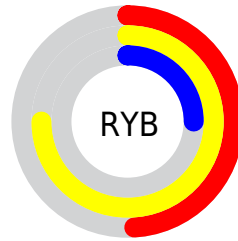
Distribution



Red (75%)

Green (59%)

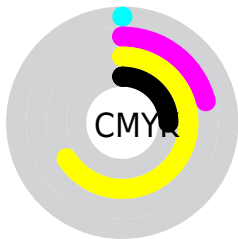
Blue (25%)



Red (49%)

Yellow (75%)

Blue (25%)

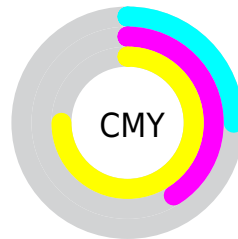


Cyan (0%)

Magenta (21%)

Yellow (66%)

Black (25%)



Cyan (25%)

Magenta (41%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3176, 33.2592, 9.5141 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 33.3176, 33.2592, 9.5141 by changing the saturation by 10% instead.

■ 33.3176, 33.2592,
9.5141

■ 33.3176, 33.2592,
9.5141

308.7182,
316.8161, 197.5252

■ 22.5303, 22.3251,
4.9766

■ 64.2224, 64.7800,
25.4708

■ 14.3658, 14.0960,
2.1751

■ 85.0706, 86.1355,
37.7272

■ 8.4589, 8.1874,
0.6599

■ 110.0032,
111.7335, 53.3936

■ 4.4442, 4.2151,
0.0000

■ 139.3854,
141.9585, 72.8886

■ 1.9564, 1.7946,
0.0000

■ 173.5826,
177.1949, 96.6307

■ 0.6093, 0.4838,
0.0000

212.9603,

■ 0.0000, 0.0000,

217.8270, 125.0385

0.0000

257.8837,
264.2393, 158.5305

■ 33.3176, 33.2592,
9.5141

■ 33.3176, 33.2592,
9.5141

■ 31.9065, 31.1630,
6.8062

■ 34.9681, 35.5366,
13.2206

■ 30.7118, 29.2336,
4.9897

■ 36.8736, 37.9988,
18.0141

■ 29.7073, 27.4606,
3.9272

■ 39.0509, 40.6550,
23.9755

■ 29.3816, 26.8679,
3.6375

■ 41.5143, 43.5120,
31.1773

■ 44.2772, 46.5765,
39.6863

■ 47.3520, 49.8545,
49.5643

■ 50.7504, 53.3518,
60.8691

■ 54.4834, 57.0739,
73.6554

■ 58.5614, 61.0260,
87.9748

Harmonies

Analogous

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



40.6248, 33.2592, 13.0011



33.3176, 33.2592, 9.5141



26.5421, 33.2592, 10.7242

Triad

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



33.3176, 33.2592, 9.5141



20.5748, 33.2592, 53.8647



43.9039, 33.2592, 65.4398

Complementary

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



33.3176, 33.2592, 9.5141



16.5697, 14.9541, 51.3030

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.



37.2893, 33.2592, 85.8627



33.3176, 33.2592, 9.5141



24.0415, 33.2592, 77.6079

Square

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



33.3176, 33.2592, 9.5141



19.8407, 33.2592, 31.6228



29.9654, 33.2592, 90.9994



47.3058, 33.2592, 41.2285

Rectangle

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



33.3176, 33.2592, 9.5141



23.1368, 33.2592, 14.3824



29.9654, 33.2592, 90.9994



41.9387, 33.2592, 73.2972

Sweetspot

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



33.3184, 33.2608, 9.5148



77.3433, 81.2750, 64.9648



25.9382, 15.7909, 15.4080



16.6755, 17.5049, 13.3173



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3184, 33.2608, 9.5148



56.0773, 54.1268, 10.4499



36.0977, 46.1590, 11.8579



10.0555, 10.5871, 10.0902



19.3848, 17.8083, 2.4157



0.8162, 0.8113, 0.1136

Inverse Universe

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



16.5697, 14.9541, 51.3030



24.0757, 19.2892, 90.7334



14.9991, 9.3678, 50.3075



9.2612, 9.7147, 12.0592



7.3655, 4.8427, 32.9394



0.3493, 0.3113, 1.3105

Previews

White Background



This preview shows how the XYZ color 33.3176, 33.2592, 9.5141 looks on a white background.

Color Contrast Check

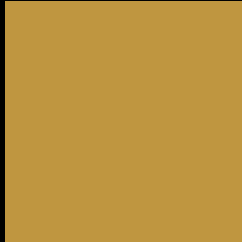
Large Text (above 18pt) WCAG AA × Fail

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 33.3176, 33.2592, 9.5141 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 33.3176, 33.2592, 9.5141

Background



This preview shows how black text looks on a background with the XYZ color 33.3176, 33.2592, 9.5141.



This preview shows how white text looks on a background with the XYZ color 33.3176, 33.2592,

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

33.3176, 33.2592, 9.5141

Protanopia

30.4959, 33.5060, 10.0142

Deuteranopia

33.9210, 33.3344, 9.4968



Tritanopia

38.4811, 33.3225, 34.1095

Trichromacy



Original Color

33.3176, 33.2592, 9.5141

Protanomaly

31.3321, 33.1962, 9.7571

Deuteranomaly

33.6652, 33.2025, 9.4849

Tritanomaly

35.8691, 32.9047, 22.2300

Monochromacy



Original Color

33.3176, 33.2592, 9.5141

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.1827, 31.5963, 22.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3176, 33.2592, 9.5141 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(191, 150, 64)` looks like.

```
.text, #text, p{  
    color:rgb(191, 150, 64)  
}
```

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(191, 150, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 150, 64) }
```

Border

The CSS property to change the border of an element to XYZ 33.3176, 33.2592, 9.5141 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(191, 150, 64) }
```


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

```
.border{ border-color:rgb(191, 150, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 150, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 150, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 150, 64);  
box-shadow:4px 4px 4px 4px rgb(191, 150,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3176, 33.2592, 9.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 150, 64) }
```

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

```
.background{ background-color: rgb(191,  
150, 64) }
```

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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