

Converting Colors

XYZ(32.2311, 31.5751, 7.6447)

Have a look what the booklet for
XYZ(32.2311, 31.5751, 7.6447)
contains.

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Color

**XYZ(32.2311, 31.5751,
7.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9134
RGB	191, 145, 52
RGB Percent	75%, 57%, 20%
CMY	0.2510, 0.4314, 0.7961
CMYK	0.00, 0.24, 0.73, 0.25
HSL	40°, 57%, 48%
HSV	40°, 73%, 75%
XYZ	32.2311, 31.5751, 7.6447
YIQ	148.1520, 57.2690, -19.1710

Conversions

Conversions Part 2

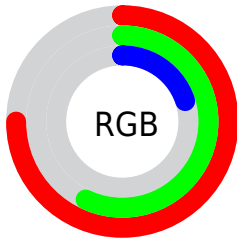
Format	Color
RYB	121, 191, 52
Decimal	12554548
CIELab	62.99, 8.20, 53.68
CIELCh	63, 54.304, 81.319
Yxy	31.5751, 0.4511, 0.4419
Android (android.graphics.Color)	4290744628 (0xFFBF9134)
YUV	148.1520, -47.4029, 37.5777
Hunter-Lab	56.1917, 4.0506, 31.2680

Details

The XYZ color **32.2311, 31.5751, 7.6447** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.1877, 13.2266, 51.0424**, and the grayscale version is **28.3876, 29.8659, 32.5240**.

A 20% lighter version of the original color is **62.7058, 62.3556, 21.8276**, and **13.7651, 13.1710, 1.8168** is the 20% darker color. If you saturate the color by 10%, you get **30.9460, 29.5597, 5.5063**, and if you desaturate by 10%, it is **33.7454, 33.7707, 10.7184**.

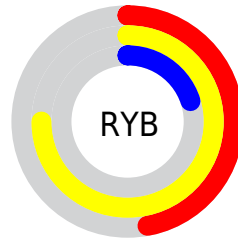
Distribution



Red (75%)

Green (57%)

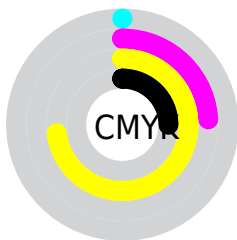
Blue (20%)



Red (47%)

Yellow (75%)

Blue (20%)

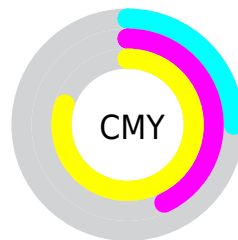


Cyan (0%)

Magenta (24%)

Yellow (73%)

Black (25%)



Cyan (25%)


Magenta (43%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2311, 31.5751, 7.6447 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 32.2311, 31.5751, 7.6447 by changing the saturation by 10% instead.


 32.2311, 31.5751,
7.6447


 32.2311, 31.5751,
7.6447


303.8973,
309.1791, 182.7473

 21.6945, 21.0372,
3.7840


 62.5360, 62.1444,
21.7935

 13.7479, 13.1512,
1.5076


 83.0349, 82.9445,
32.9186

 8.0261, 7.5327,
0.2236


 107.5853,
107.9342, 47.3022

 4.1636, 3.7974,
0.0000

 136.5526,
137.4978, 65.3629

 1.7951, 1.5609,
0.0000

 170.3021,
172.0196, 87.5192

 0.5147, 0.3310,
0.0000

 209.1991,

 0.0000, 0.0000,

211.8842, 114.1897

0.0000

253.6091,
257.4759, 145.7929

■ 32.2311, 31.5751,
7.6447

■ 32.2311, 31.5751,
7.6447

■ 30.9460, 29.5597,
5.5063

■ 33.7454, 33.7707,
10.7184

■ 29.8645, 27.7091,
4.1829

■ 35.5064, 36.1510,
14.8247

■ 29.1785, 26.4618,
3.5698

■ 37.5317, 38.7257,
20.0504

■ 39.8370, 41.5023,
26.4726

■ 42.4362, 44.4877,
34.1615

■ 45.3425, 47.6883,
43.1821

■ 48.5678, 51.1103,
53.5945

■ 52.1238, 54.7594,
65.4553

■ 56.0212, 58.6410,
78.8182

Harmonies

Analogous

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



39.9101, 31.5751, 11.2319



32.2311, 31.5751, 7.6447



25.0873, 31.5751, 8.5374

Triad

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



32.2311, 31.5751, 7.6447



18.5231, 31.5751, 51.6039



42.6747, 31.5751, 67.0198

Complementary

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



32.2311, 31.5751, 7.6447



15.1877, 13.2266, 51.0424

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.



35.5405, 31.5751, 88.6840



32.2311, 31.5751, 7.6447



21.9014, 31.5751, 77.5141

Square

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



32.2311, 31.5751, 7.6447



17.9363, 31.5751, 28.5389



27.8956, 31.5751, 93.1645



46.5623, 31.5751, 40.9680

Rectangle

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



32.2311, 31.5751, 7.6447



21.4934, 31.5751, 11.8192



27.8956, 31.5751, 93.1645



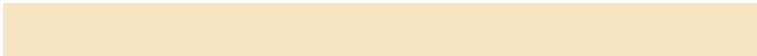
40.5258, 31.5751, 75.4400

Sweetspot

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



32.2318, 31.5767, 7.6453



76.2139, 79.9139, 61.8209



24.9343, 14.4208, 13.1078



16.4421, 17.2168, 12.6882



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.



32.2318, 31.5767, 7.6453



54.2973, 51.0492, 8.3693



35.3636, 45.8159, 10.2287



10.0490, 10.5740, 10.0880



19.2521, 17.5429, 2.3714



0.8117, 0.8023, 0.1121

Inverse Universe

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



15.1877, 13.2266, 51.0424



22.3296, 16.8197, 90.3488



13.5470, 7.7205, 50.0661



9.2675, 9.7273, 12.0613



7.4223, 4.9563, 32.9584



0.3520, 0.3166, 1.3114

Previews

White Background



This preview shows how the XYZ color 32.2311, 31.5751, 7.6447 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 32.2311, 31.5751, 7.6447 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 32.2311, 31.5751, 7.6447

Background



This preview shows how black text looks on a background with the XYZ color 32.2311, 31.5751, 7.6447.



This preview shows how white text looks on a background with the XYZ color 32.2311, 31.5751,

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

32.2311, 31.5751, 7.6447

Protanopia

28.8517, 31.7067, 8.0894

Deuteranopia

32.2311, 31.5751, 7.6447



Tritanopia

37.0184, 31.5540, 31.3336

Trichromacy



Original Color

32.2311, 31.5751, 7.6447

Protanomaly

29.9090, 31.5347, 7.8786

Deuteranomaly

32.2311, 31.5751, 7.6447

Tritanomaly

34.6629, 31.2372, 19.5317

Monochromacy



Original Color

32.2311, 31.5751, 7.6447

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7242, 29.9522, 19.8902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2311, 31.5751, 7.6447 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, 145, 52)` looks like.

```
.text, #text, p{  
    color:rgb(191, 145, 52)  
}
```

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, 145, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 145, 52) }
```

Border

The CSS property to change the border of an element to XYZ 32.2311, 31.5751, 7.6447 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, 145, 52) }
```


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

```
.border{ border-color:rgb(191, 145, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 145, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 145, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 145, 52);  
box-shadow:4px 4px 4px 4px rgb(191, 145,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2311, 31.5751, 7.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 145, 52) }
```

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

```
.background{ background-color: rgb(191,  
145, 52) }
```

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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