

# Converting Colors

XYZ(34.4320, 32.3768, 31.3903)

Have a look what the booklet for  
XYZ(34.4320, 32.3768, 31.3903)  
contains.

<b>XYZ(34.4458, 32.4259, 31.2314)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.4458, 32.4259,  
31.2314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B59291
RGB	181, 146, 145
RGB Percent	71%, 57%, 57%
CMY	0.2902, 0.4274, 0.4314
CMYK	0.00, 0.19, 0.20, 0.29
HSL	2°, 20%, 64%
HSV	2°, 20%, 71%
XYZ	34.4458, 32.4259, 31.2314
YIQ	156.3510, 21.1810, 7.1090

# Conversions

## Conversions Part 2

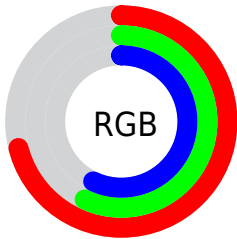
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 146, 145
Decimal	11899537
CIE <sub>Lab</sub>	63.69, 12.97, 5.50
CIE <sub>LCh</sub>	64, 14.094, 22.985
Yxy	32.4259, 0.3511, 0.3305
Android (android.graphics.Color)	4290089617 (0xFFB59291)
YUV	156.3510, -5.5960, 21.6172
Hunter-Lab	56.9437, 8.3248, 7.3424

# Details

The XYZ color **34.4458, 32.4259, 31.2314** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.3384, 41.9974, 49.9074**, and the grayscale version is **31.7751, 33.4299, 36.4051**.

A 20% lighter version of the original color is **65.8881, 63.4366, 62.8046**, and **15.0599, 13.5998, 12.6578** is the 20% darker color. If you saturate the color by 10%, you get **30.6531, 26.8988, 23.6213**, and if you desaturate by 10%, it is **38.8801, 38.8798, 40.1532**.

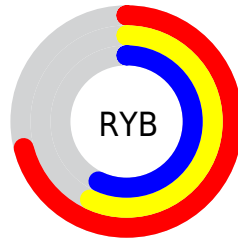
# Distribution



Red (71%)

Green (57%)

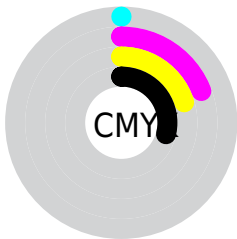
Blue (57%)



Red (71%)

Yellow (57%)

Blue (57%)

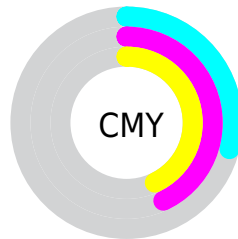


Cyan (0%)

Magenta (19%)

Yellow (20%)

Black (29%)



Cyan (29%)

Magenta (43%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4458, 32.4259, 31.2314 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 34.4458, 32.4259, 31.2314 by changing the saturation by 10% instead.





 34.4458, 32.4259,  
31.2314


 34.4458, 32.4259,  
31.2314


313.6664,  
313.0548, 321.9871

 23.4008, 21.6870,  
20.5152


 65.9660, 63.4782,  
62.6880

 15.0121, 13.6271,  
12.5823

 87.1720, 84.5603,  
84.2655

 8.9142, 7.8618,  
7.0142


112.4956,  
109.8591, 110.3006

 4.7419, 4.0066,  
3.3924

142.3022,  
139.7588, 141.2116

 2.1298, 1.6773,  
1.2983

176.9573,  
174.6438, 177.4173

 0.7054, 0.4089,  
0.0604

216.8261,

 0.0000, 0.0000,

214.8985, 219.3360

0.0000

262.2740,  
260.9074, 267.3865

■ 34.4458, 32.4259,  
31.2314

■ 34.4458, 32.4259,  
31.2314

■ 30.6531, 26.8988,  
23.6213

■ 38.8801, 38.8798,  
40.1532

■ 27.4699, 22.2519,  
17.2591

■ 43.9810, 46.2956,  
50.4423

■ 24.8651, 18.4410,  
12.0790

■ 49.7754, 54.7121,  
62.1534

■ 22.8041, 15.4166,  
8.0080

■ 56.2879, 64.1645,  
75.3379

■ 21.2483, 13.1237,  
4.9652

■ 63.5418, 74.6864,  
90.0445

■ 20.1542, 11.5005,  
2.8589

■ 71.5597, 86.3098,  
106.3195

■ 19.4710, 10.4748,  
1.5808

■ 72.8662, 88.5638,  
107.8618

■ 19.1142, 9.9380,  
0.9166

■ 19.1109, 9.9333,  
0.9101

# Harmonies

## Analogous

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



34.7404, 32.4259, 36.6498



34.4458, 32.4259, 31.2314



33.1605, 32.4259, 27.3223

# Triad

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



34.4458, 32.4259, 31.2314



27.8889, 32.4259, 29.1612



30.3589, 32.4259, 47.2245

# Complementary

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



34.4458, 32.4259, 31.2314



36.3384, 41.9974, 49.9074

# 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.



28.5920, 32.4259, 44.7113



34.4458, 32.4259, 31.2314



27.2059, 32.4259, 33.9960

# Square

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



34.4458, 32.4259, 31.2314



29.3621, 32.4259, 26.2191



27.4577, 32.4259, 39.7211



32.3251, 32.4259, 46.2824



# Rectangle

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



34.4458, 32.4259, 31.2314



31.9433, 32.4259, 25.9030



27.4577, 32.4259, 39.7211



29.7231, 32.4259, 46.7476

# Sweetspot

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



34.4467, 32.4274, 31.2321



72.9512, 74.4580, 78.6015



37.4608, 33.3866, 47.8641



15.6442, 15.9140, 16.7403



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



34.4467, 32.4274, 31.2321



58.4888, 53.4087, 49.5017



37.3712, 38.2764, 32.2069



8.5147, 8.5420, 8.8525



13.1832, 6.8649, 0.6302



0.4211, 0.2285, 0.0219



# Inverse Universe

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



36.3384, 41.9974, 49.9074



62.5133, 73.7702, 89.2389



33.0088, 35.3382, 48.7975



8.7219, 9.5901, 10.8977



16.4553, 23.7110, 33.8464

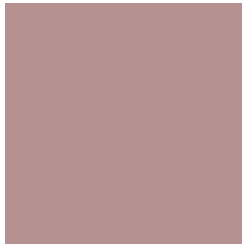


0.5241, 0.7586, 1.0670



# Previews

## White Background



This preview shows how the XYZ color 34.4458, 32.4259, 31.2314 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 34.4458, 32.4259, 31.2314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

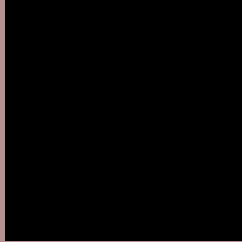
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.4458, 32.4259, 31.2314**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4458, 32.4259, 31.2314.



This preview shows how white text looks on a background with the XYZ color 34.4458, 32.4259,



# 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

34.4458, 32.4259, 31.2314

### Protanopia

31.0810, 32.5502, 33.0784

### Deuteranopia

33.0151, 32.3927, 30.8979



## Tritanopia

35.2654, 32.2919, 35.8268

# Trichromacy



## Original Color

34.4458, 32.4259, 31.2314

## Protanomaly

32.1378, 32.3783, 32.5728

## Deuteranomaly

33.5284, 32.4235, 30.8768

## Tritanomaly

35.0843, 32.4629, 34.1226

# Monochromacy



## Original Color

34.4458, 32.4259, 31.2314

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.4128, 32.7228, 34.3136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4458, 32.4259, 31.2314 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(181, 146, 145)` looks like.

```
.text, #text, p{  
    color:rgb(181, 146, 145)  
}
```

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(181, 146, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 146, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4458, 32.4259, 31.2314 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(181, 146, 145) }
```



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

```
.border{ border-color:rgb(181, 146, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 146, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 146, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 146, 145);  
box-shadow:4px 4px 4px 4px rgb(181, 146,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4458, 32.4259, 31.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 146, 145) }
```

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

```
.background{ background-color: rgb(181,  
146, 145) }
```

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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