

# Converting Colors

XYZ(30.8681, 31.3519, 32.4835)

Have a look what the booklet for  
XYZ(30.8681, 31.3519, 32.4835)  
contains.

<b>XYZ(30.7907, 31.2101, 32.4183)</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(30.7907, 31.2101,  
32.4183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A19594
RGB	161, 149, 148
RGB Percent	63%, 58%, 58%
CMY	0.3686, 0.4157, 0.4196
CMYK	0.00, 0.07, 0.08, 0.37
HSL	5°, 6%, 61%
HSV	5°, 8%, 63%
XYZ	30.7907, 31.2101, 32.4183
YIQ	152.4740, 7.4730, 2.2330

# Conversions

## Conversions Part 2

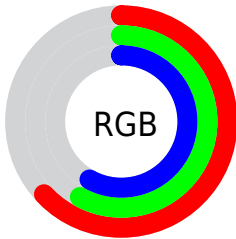
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	161, 149, 148
Decimal	10589588
CIE Lab	62.68, 4.24, 2.11
CIE LCh	63, 4.738, 26.505
Yxy	31.2101, 0.3261, 0.3305
Android (android.graphics.Color)	4288779668 (0xFFFA19594)
YUV	152.4740, -2.2057, 4.7773
Hunter-Lab	55.8660, 0.6153, 4.7010

# Details

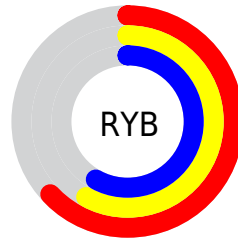
The XYZ color **30.7907, 31.2101, 32.4183** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2165, 34.0101, 38.6379**, and the grayscale version is **30.0576, 31.6230, 34.4374**.

A 20% lighter version of the original color is **60.3355, 61.5751, 64.5823**, and **12.8320, 12.8496, 13.1132** is the 20% darker color. If you saturate the color by 10%, you get **27.4015, 26.3310, 25.4325**, and if you desaturate by 10%, it is **34.6589, 36.7627, 40.4391**.

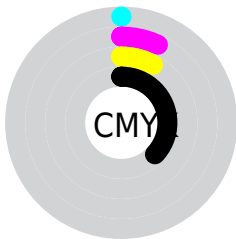
# Distribution



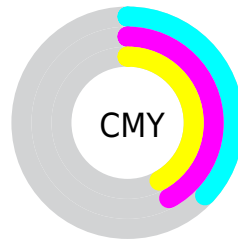
- Red (63%)
- Green (58%)
- Blue (58%)



- Red (63%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (8%)
- Black (37%)



- Cyan (37%)
- Magenta (42%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7907, 31.2101, 32.4183 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 30.7907, 31.2101, 32.4183 by changing the saturation by 10% instead.



■ 30.7907, 31.2101,  
32.4183

■ 30.7907, 31.2101,  
32.4183

297.4170,  
307.5051, 327.5716

■ 20.5906, 20.7589,  
21.4137

■ 60.2885, 61.5707,  
64.5718

■ 12.9358, 12.9479,  
13.2326

■ 80.3168, 82.2489,  
86.5578

■ 7.4610, 7.3927,  
7.4563

104.3520,  
107.1048, 113.0414

■ 3.8009, 3.7089,  
3.6663

132.7593,  
136.5230, 144.4410

■ 1.5902, 1.5121,  
1.4441

165.9041,  
170.8877, 181.1754

■ 0.3860, 0.2972,  
0.1758

204.1517,

■ 0.0000, 0.0000,

210.5833, 223.6629

0.0000

247.8676,  
255.9943, 272.3221

■ 30.7907, 31.2101,  
32.4183

■ 30.7907, 31.2101,  
32.4183

■ 27.4015, 26.3310,  
25.4325

■ 34.6589, 36.7627,  
40.4391

■ 24.4701, 22.0958,  
19.4376

■ 39.0209, 43.0087,  
49.5325

■ 21.9776, 18.4789,  
14.3893

■ 43.8943, 49.9724,  
59.7368

■ 19.9029, 15.4513,  
10.2392

■ 49.2948, 57.6756,  
71.0876

■ 18.2230, 12.9819,  
6.9346

■ 55.2378, 66.1391,  
83.6192

■ 16.9128, 11.0364,  
4.4173

■ 61.7376, 75.3831,  
97.3642

■ 15.9443, 9.5769,  
2.6218

■ 67.8766, 85.0541,  
107.4474

■ 15.2852, 8.5605,  
1.4718

■ 68.5081, 86.3172,  
107.6579

■ 14.8899, 7.9336,  
0.8356

# Harmonies

## Analogous

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



30.9225, 31.2101, 34.2000



30.7907, 31.2101, 32.4183



30.3556, 31.2101, 31.0991

# Triad

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



30.7907, 31.2101, 32.4183



28.6396, 31.2101, 32.0553



29.5885, 31.2101, 37.6614

# Complementary

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



30.7907, 31.2101, 32.4183



31.2165, 34.0101, 38.6379

# 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.



28.9835, 31.2101, 37.0388



30.7907, 31.2101, 32.4183



28.4407, 31.2101, 33.7659

# Square

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



30.7907, 31.2101, 32.4183



29.1129, 31.2101, 30.8950



28.5656, 31.2101, 35.5962



30.2225, 31.2101, 37.2691



# Rectangle

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



30.7907, 31.2101, 32.4183



29.9553, 31.2101, 30.6368



28.5656, 31.2101, 35.5962



29.3751, 31.2101, 37.5633

# Sweetspot

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



30.7916, 31.2115, 32.4190



59.2213, 61.7516, 66.5037



31.6451, 31.3001, 37.6929



13.0066, 13.5697, 14.6237



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



30.7916, 31.2115, 32.4190



53.7912, 53.9506, 55.2628



31.8261, 33.2805, 32.7638



7.1157, 7.1697, 7.3889



11.8610, 6.2959, 0.5901



0.2616, 0.1571, 0.0165



# Inverse Universe

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



31.2165, 34.0101, 38.6379



54.7379, 60.1858, 69.1186



30.1414, 31.8599, 38.2795



7.2292, 7.9173, 9.0502



13.6819, 19.1432, 29.9037



0.3003, 0.4279, 0.6326



# Previews

## White Background



This preview shows how the XYZ color 30.7907, 31.2101, 32.4183 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 30.7907, 31.2101, 32.4183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

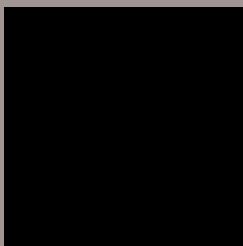
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.7907, 31.2101, 32.4183**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7907, 31.2101, 32.4183.



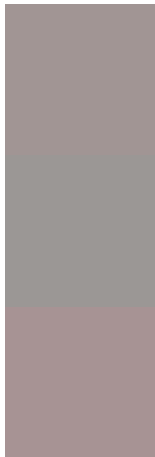
This preview shows how white text looks on a background with the XYZ color 30.7907, 31.2101,



# 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

30.7907, 31.2101, 32.4183

### Protanopia

30.0090, 31.2717, 32.8882

### Deuteranopia

31.7154, 31.2210, 32.3717



## Tritanopia

31.7960, 31.1572, 37.1390

# Trichromacy



## Original Color

30.7907, 31.2101, 32.4183

## Protanomaly

30.2358, 31.1507, 32.8529

## Deuteranomaly

31.4523, 31.3173, 32.4041

## Tritanomaly

31.4066, 31.2277, 35.3826

# Monochromacy



## Original Color

30.7907, 31.2101, 32.4183

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.1701, 31.3361, 33.7365

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7907, 31.2101, 32.4183 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(161, 149, 148)` looks like.

```
.text, #text, p{  
    color:rgb(161, 149, 148)  
}
```

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(161, 149, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 149, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7907, 31.2101, 32.4183 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(161, 149, 148) }
```



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

```
.border{ border-color:rgb(161, 149, 148) }
```

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

Here you see how a box with a 4 pixel rgb(161, 149, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 149, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 149, 148);  
box-shadow:4px 4px 4px 4px rgb(161, 149,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7907, 31.2101, 32.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 149, 148) }
```

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

```
.background{ background-color: rgb(161,  
149, 148) }
```

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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