

Converting Colors

XYZ(30.2159, 31.6855, 32.1326)

Have a look what the booklet for
XYZ(30.2159, 31.6855, 32.1326)
contains.

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Color

**XYZ(30.2050, 31.6310,
32.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9893
RGB	156, 152, 147
RGB Percent	61%, 60%, 58%
CMY	0.3882, 0.4039, 0.4235
CMYK	0.00, 0.03, 0.06, 0.39
HSL	33°, 4%, 59%
HSV	33°, 6%, 61%
XYZ	30.2050, 31.6310, 32.1172
YIQ	152.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

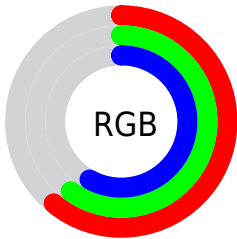
Format	Color
RYB	154, 156, 147
Decimal	10262675
CIELab	63.04, 0.53, 3.14
CIELCh	63, 3.181, 80.398
Yxy	31.6310, 0.3215, 0.3367
Android (android.graphics.Color)	4288452755 (0xFF9C9893)
YUV	152.6260, -2.7736, 2.9590
Hunter-Lab	56.2414, -2.5574, 5.5109

Details

The XYZ color **30.2050, 31.6310, 32.1172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0999, 30.7360, 35.8517**, and the grayscale version is **30.1270, 31.6959, 34.5169**.

A 20% lighter version of the original color is **59.1923, 62.0613, 64.1176**, and **12.5907, 13.1551, 12.9419** is the 20% darker color. If you saturate the color by 10%, you get **27.9714, 28.9916, 25.7372**, and if you desaturate by 10%, it is **32.6721, 34.4710, 39.3949**.

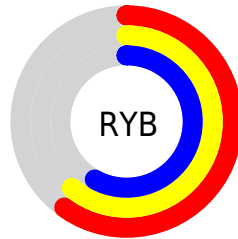
Distribution



Red (61%)

Green (60%)

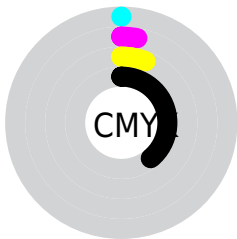
Blue (58%)



Red (60%)

Yellow (61%)

Blue (58%)

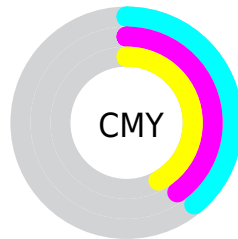


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (39%)



Cyan (39%)

Magenta (40%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2050, 31.6310, 32.1172 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 30.2050, 31.6310, 32.1172 by changing the saturation by 10% instead.

■ 30.2050, 31.6310,
32.1172

■ 30.2050, 31.6310,
32.1172

294.7515,
309.4349, 326.1620

■ 20.1431, 21.0798,
21.1855

■ 59.3706, 62.2322,
64.0948

■ 12.6080, 13.1824,
13.0671

■ 79.2051, 83.0509,
85.9778

■ 7.2343, 7.5542,
7.3435

103.0277,
108.0610, 112.3483

■ 3.6567, 3.8111,
3.5961

131.2039,
137.6468, 143.6248

■ 1.5098, 1.5684,
1.4065

164.0990,
172.1927, 180.2258

■ 0.3325, 0.3362,
0.1468

202.0784,

■ 0.0000, 0.0000,

212.0831, 222.5700

0.0000

245.5075,
257.7023, 271.0759

■ 30.2050, 31.6310,
32.1172

■ 30.2050, 31.6310,
32.1172

■ 27.9714, 28.9916,
25.7372

■ 32.6721, 34.4710,
39.3949

■ 25.9610, 26.5437,
20.2175

■ 35.3774, 37.5121,
47.6015

■ 24.1663, 24.2836,
15.5212

■ 38.3288, 40.7602,
56.7694

■ 22.5785, 22.2060,
11.6076

■ 41.5329, 44.2195,
66.9287

■ 21.1883, 20.3051,
8.4329

■ 44.9963, 47.8944,
78.1083

■ 19.9853, 18.5747,
5.9486

■ 48.7250, 51.7888,
90.3356

■ 18.9579, 17.0083,
4.1006

■ 52.5309, 55.8290,
102.6151

■ 18.0931, 15.5985,
2.8264

■ 54.1774, 59.1219,
103.1639

■ 17.3734, 14.3360,
2.0410

■ 55.8975, 62.5622,
103.7373

Harmonies

Analogous

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



30.6043, 31.6310, 32.6158



30.2050, 31.6310, 32.1172



29.7718, 31.6310, 32.2294

Triad

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



30.2050, 31.6310, 32.1172



29.2819, 31.6310, 35.2882



30.7178, 31.6310, 36.0011

Complementary

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



30.2050, 31.6310, 32.1172



29.0999, 30.7360, 35.8517

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.



30.3588, 31.6310, 36.7510



30.2050, 31.6310, 32.1172



29.5307, 31.6310, 36.3326

Square

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



30.2050, 31.6310, 32.1172



29.2416, 31.6310, 34.0401



29.9241, 31.6310, 36.8738



30.9023, 31.6310, 34.8446

Rectangle

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



30.2050, 31.6310, 32.1172



29.5219, 31.6310, 32.6366



29.9241, 31.6310, 36.8738



30.6134, 31.6310, 36.3103

Sweetspot

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



30.2059, 31.6324, 32.1179



56.4825, 59.3331, 63.0701



29.7344, 30.1718, 33.5564



12.4406, 13.0697, 13.9135



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



30.2059, 31.6324, 32.1179



54.2815, 56.7749, 56.6526



30.7787, 32.9070, 32.3337



7.0232, 7.3440, 7.3032



14.1167, 11.4689, 1.4697



0.2942, 0.2887, 0.0402

Inverse Universe

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



29.0999, 30.7360, 35.8517



51.8183, 54.7785, 64.9689



28.5484, 29.5130, 35.6447



6.6925, 7.0760, 8.4198



6.7436, 5.5787, 26.6286



0.1621, 0.1829, 0.4900

Previews

White Background



This preview shows how the XYZ color 30.2050, 31.6310, 32.1172 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 30.2050, 31.6310, 32.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

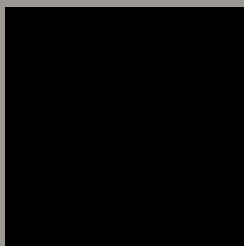
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

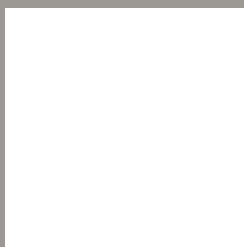
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2050, 31.6310, 32.1172

Background



This preview shows how black text looks on a background with the XYZ color 30.2050, 31.6310, 32.1172.



This preview shows how white text looks on a background with the XYZ color 30.2050, 31.6310,

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

30.2050, 31.6310, 32.1172

Protanopia

30.3993, 31.7312, 32.1263

Deuteranopia

32.1412, 31.4406, 32.3916



Tritanopia

31.5285, 31.6904, 38.6376

Trichromacy



Original Color

30.2050, 31.6310, 32.1172

Protanomaly

30.3993, 31.7312, 32.1263

Deuteranomaly

31.4026, 31.5255, 32.4469

Tritanomaly

31.0570, 31.7356, 36.3870

Monochromacy



Original Color

30.2050, 31.6310, 32.1172

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3036, 31.8869, 33.8358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2050, 31.6310, 32.1172 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(156, 152, 147) looks like.

```
.text, #text, p{  
    color:rgb(156, 152, 147)  
}
```

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(156, 152, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 152, 147) }
```

Border

The CSS property to change the border of an element to XYZ 30.2050, 31.6310, 32.1172 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(156, 152, 147) }
```


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

```
.border{ border-color:rgb(156, 152, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 152, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 152, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 152, 147);  
box-shadow:4px 4px 4px 4px rgb(156, 152,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2050, 31.6310, 32.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 152, 147) }
```

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

```
.background{ background-color: rgb(156,  
152, 147) }
```

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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