

Converting Colors

XYZ(31.8002, 32.1549, 31.3756)

Have a look what the booklet for
XYZ(31.8002, 32.1549, 31.3756)
contains.

XYZ(31.9033, 32.2845, 31.3381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9033, 32.2845,
31.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	A69791
RGB	166, 151, 145
RGB Percent	65%, 59%, 57%
CMY	0.3490, 0.4078, 0.4314
CMYK	0.00, 0.09, 0.13, 0.35
HSL	17°, 11%, 61%
HSV	17°, 13%, 65%
XYZ	31.9033, 32.2845, 31.3381
YIQ	154.8010, 10.8660, 1.3140

Conversions

Conversions Part 2

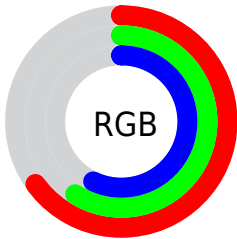
Format	Color
R_{YB}	166, 153, 145
Decimal	10917777
CIE _{Lab}	63.58, 4.48, 5.15
CIE _{LCh}	64, 6.828, 49.006
Yxy	32.2845, 0.3340, 0.3380
Android (android.graphics.Color)	4289107857 (0xFFA69791)
YUV	154.8010, -4.8319, 9.8215
Hunter-Lab	56.8195, 0.7911, 7.0729

Details

The XYZ color **31.9033, 32.2845, 31.3381** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1307, 33.9139, 40.9820**, and the grayscale version is **31.0858, 32.7046, 35.6153**.

A 20% lighter version of the original color is **61.9589, 63.1583, 62.9580**, and **13.5622, 13.5180, 12.7209** is the 20% darker color. If you saturate the color by 10%, you get **28.9030, 28.1846, 24.4776**, and if you desaturate by 10%, it is **35.2843, 36.8458, 39.2491**.

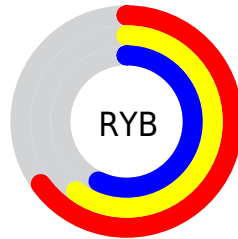
Distribution



Red (65%)

Green (59%)

Blue (57%)



Red (65%)

Yellow (60%)

Blue (57%)

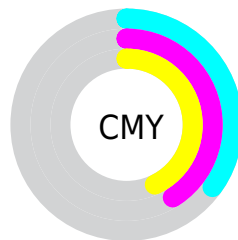


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (35%)



Cyan (35%)

Magenta (41%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9033, 32.2845, 31.3381 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 31.9033, 32.2845, 31.3381 by changing the saturation by 10% instead.

■ 31.9033, 32.2845,
31.3381

■ 31.9033, 32.2845,
31.3381

302.4316,
312.4132, 322.4922

■ 21.4428, 21.5789,
20.5958

■ 62.0257, 63.2568,
62.8578

■ 13.5624, 13.5478,
12.6405

■ 82.4183, 84.2923,
84.4723

■ 7.8966, 7.8068,
7.0537

106.8524,
109.5400, 110.5479

■ 4.0801, 3.9716,
3.4167

135.6932,
139.3840, 141.5032

■ 1.7475, 1.6577,
1.3112

169.3062,
174.2090, 177.7568

■ 0.4858, 0.3960,
0.0709

208.0567,

■ 0.0000, 0.0000,

214.3993, 219.7271

0.0000

252.3101,
260.3392, 267.8327

■ 31.9033, 32.2845,
31.3381

■ 31.9033, 32.2845,
31.3381

■ 28.9030, 28.1846,
24.4776

■ 35.2843, 36.8458,
39.2491

■ 26.2670, 24.5274,
18.6210

■ 39.0564, 41.8781,
48.2503

■ 23.9817, 21.2989,
13.7215

■ 43.2328, 47.3960,
58.3818

■ 22.0314, 18.4830,
9.7276

■ 47.8252, 53.4123,
69.6811

■ 20.3993, 16.0625,
6.5827

■ 52.8451, 59.9392,
82.1840

■ 19.0670, 14.0187,
4.2242

■ 58.3032, 66.9884,
95.9247

■ 18.0137, 12.3315,
2.5803

■ 63.1953, 74.1656,
105.5924

■ 17.2158, 10.9785,
1.5660

■ 66.6839, 81.1428,
106.7552

■ 16.7607, 10.1765,
1.0809

■ 69.5360, 86.8471,
107.7060

Harmonies

Analogous

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



32.4509, 32.2845, 33.4708



31.9033, 32.2845, 31.3381



31.0363, 32.2845, 30.2481

Triad

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



31.9033, 32.2845, 31.3381



28.9215, 32.2845, 34.1609



31.2861, 32.2845, 40.3515

Complementary

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



31.9033, 32.2845, 31.3381



31.1307, 33.9139, 40.9820

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.



30.3373, 32.2845, 40.5599



31.9033, 32.2845, 31.3381



28.9853, 32.2845, 36.8893

Square

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



31.9033, 32.2845, 31.3381



29.3230, 32.2845, 31.8208



29.4990, 32.2845, 39.2641



32.0895, 32.2845, 38.7086

Rectangle

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



31.9033, 32.2845, 31.3381



30.3995, 32.2845, 30.2195



29.4990, 32.2845, 39.2641



30.9732, 32.2845, 40.5947

Sweetspot

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



31.9042, 32.2859, 31.3388



63.1207, 65.6408, 69.0693



32.2012, 30.8980, 37.5477



14.0209, 14.5489, 15.2106



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.9042, 32.2859, 31.3388



56.4053, 56.5594, 53.4222



33.6607, 35.7990, 31.9243



7.6993, 7.8786, 7.9042



13.0325, 7.9623, 0.8500



0.3600, 0.2795, 0.0350

Inverse Universe

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



31.1307, 33.9139, 40.9820



54.7395, 60.0634, 74.1836



29.3951, 30.4427, 40.4034



7.5637, 8.1642, 9.5955



10.4525, 12.3652, 29.8113



0.2947, 0.3815, 0.7388

Previews

White Background



This preview shows how the XYZ color 31.9033, 32.2845, 31.3381 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 31.9033, 32.2845, 31.3381 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

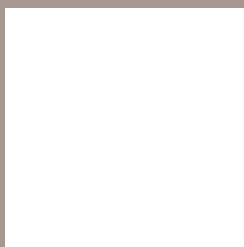
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9033, 32.2845, 31.3381

Background



This preview shows how black text looks on a background with the XYZ color 31.9033, 32.2845, 31.3381.



This preview shows how white text looks on a background with the XYZ color 31.9033, 32.2845, 31.3381.

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

31.9033, 32.2845, 31.3381

Protanopia

30.8776, 32.2287, 31.7875

Deuteranopia

32.8715, 32.3099, 31.2920



Tritanopia

33.2411, 32.3578, 37.7514

Trichromacy



Original Color

31.9033, 32.2845, 31.3381

Protanomaly

31.3168, 32.2132, 31.7613

Deuteranomaly

32.5947, 32.4031, 31.3246

Tritanomaly

32.7591, 32.3947, 35.5366

Monochromacy



Original Color

31.9033, 32.2845, 31.3381

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4396, 32.7165, 33.9360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9033, 32.2845, 31.3381 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(166, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(166, 151, 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(166, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 151, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.9033, 32.2845, 31.3381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

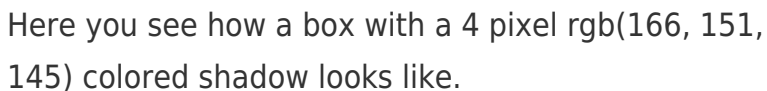
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 151, 145) }
```


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

```
.border{ border-color:rgb(166, 151, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(166, 151,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9033, 32.2845, 31.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 151, 145) }
```

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

```
.background{ background-color: rgb(166,  
151, 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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