

Converting Colors

XYZ(29.1603, 32.9981, 31.4229)

Have a look what the booklet for
XYZ(29.1603, 32.9981, 31.4229)
contains.

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Color

**XYZ(29.3587, 33.2057,
31.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	91A091
RGB	145, 160, 145
RGB Percent	57%, 63%, 57%
CMY	0.4314, 0.3725, 0.4314
CMYK	0.09, 0.00, 0.09, 0.37
HSL	120°, 7%, 60%
HSV	120°, 9%, 63%
XYZ	29.3587, 33.2057, 31.6500
YIQ	153.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

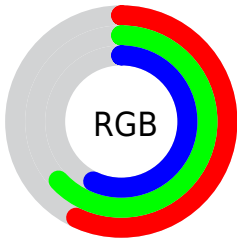
Format	Color
RYB	145, 160, 160
Decimal	9543825
CIELab	64.33, -8.25, 6.01
CIELCh	64, 10.206, 143.923
Yxy	33.2057, 0.3116, 0.3524
Android (android.graphics.Color)	4287733905 (0xFF91A091)
YUV	153.8050, -4.3409, -7.7220
Hunter-Lab	57.6244, -9.8998, 7.7722

Details

The XYZ color **29.3587, 33.2057, 31.6500** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9690, 30.2633, 37.4685**, and the grayscale version is **30.6502, 32.2464, 35.1163**.

A 20% lighter version of the original color is **58.1624, 64.8665, 63.4878**, and **12.2535, 14.1964, 12.9208** is the 20% darker color. If you saturate the color by 10%, you get **25.5873, 31.3951, 25.4805**, and if you desaturate by 10%, it is **33.7028, 35.2934, 38.7548**.

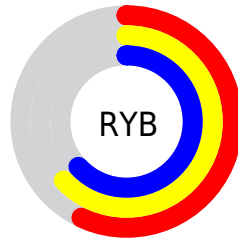
Distribution



Red (57%)

Green (63%)

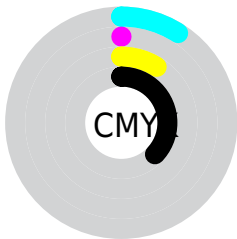
Blue (57%)



Red (57%)

Yellow (63%)

Blue (63%)

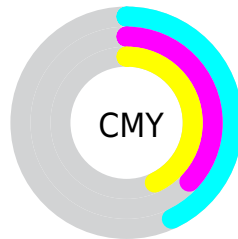


Cyan (9%)

Magenta (0%)

Yellow (9%)

Black (37%)



Cyan (43%)

Magenta (37%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3587, 33.2057, 31.6500 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 29.3587, 33.2057, 31.6500 by changing the saturation by 10% instead.

■ 29.3587, 33.2057,
31.6500

■ 29.3587, 33.2057,
31.6500

290.8674,
316.5756, 323.9652

■ 19.4980, 22.2841,
20.8317

■ 58.0401, 64.6965,
63.3535

■ 12.1368, 14.0658,
12.8110

■ 77.5916, 86.0345,
85.0758

■ 6.9098, 8.1664,
7.1693

101.1039,
111.6135, 111.2699

■ 3.4516, 4.2016,
3.4882

128.9426,
141.8177, 142.3542

■ 1.3968, 1.7870,
1.3490

161.4729,
177.0316, 178.7474

■ 0.2540, 0.4790,
0.1014

199.0603,

■ 0.0000, 0.0000,

217.6397, 220.8679

0.0000

242.0700,
264.0262, 269.1343

■ 29.3587, 33.2057,
31.6500

■ 29.3587, 33.2057,
31.6500

■ 25.5873, 31.3951,
25.4805

■ 33.7028, 35.2934,
38.7548

■ 22.3622, 29.8459,
20.2052

■ 38.6393, 37.6646,
46.8293

■ 19.6589, 28.5474,
15.7834

■ 44.1902, 40.3310,
55.9088

■ 17.4500, 27.4863,
12.1703

■ 50.3756, 43.3021,
66.0260

■ 15.7055, 26.6484,
9.3169

■ 57.2146, 46.5873,
77.2125

■ 14.3924, 26.0176,
7.1690

■ 64.7258, 50.1953,
89.4983

■ 13.4731, 25.5760,
5.6654

■ 71.8615, 53.6229,
101.1705

■ 12.9038, 25.3025,
4.7341

■ 12.5894, 25.1515,
4.2199

Harmonies

Analogous

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



30.4428, 33.2057, 29.3304



29.3587, 33.2057, 31.6500



28.8664, 33.2057, 35.3159

Triad

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



29.3587, 33.2057, 31.6500



31.2665, 33.2057, 44.6998



34.1814, 33.2057, 33.0101

Complementary

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



29.3587, 33.2057, 31.6500



30.9690, 30.2633, 37.4685

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.



34.4183, 33.2057, 37.0081



29.3587, 33.2057, 31.6500



32.7063, 33.2057, 43.9646

Square

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



29.3587, 33.2057, 31.6500



29.9460, 33.2057, 43.0077



33.8708, 33.2057, 41.0692



33.2331, 33.2057, 30.0725

Rectangle

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



29.3587, 33.2057, 31.6500



28.9290, 33.2057, 38.1129



33.8708, 33.2057, 41.0692



34.3481, 33.2057, 34.2660

Sweetspot

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



29.3596, 33.2071, 31.6507



58.1654, 62.6258, 65.4143



32.1803, 34.6613, 31.7827



12.6203, 13.6693, 14.1235



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.



29.3596, 33.2071, 31.6507



51.9722, 59.6509, 55.2842



29.9574, 33.4462, 34.7988



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2642



0.1751, 0.3502, 0.0584

Inverse Universe

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



30.9690, 30.2633, 37.4685



55.4236, 53.3378, 67.7605



30.3323, 30.0086, 34.1155



6.9042, 6.7546, 8.3465



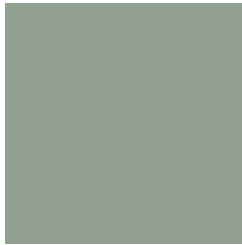
16.2358, 7.7989, 26.5564



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 29.3587, 33.2057, 31.6500 looks on a white background.

Color Contrast Check

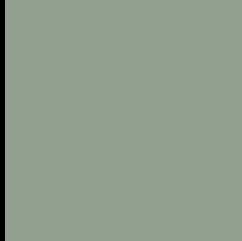
Large Text (above 18pt) WCAG AA × Fail

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 29.3587, 33.2057, 31.6500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

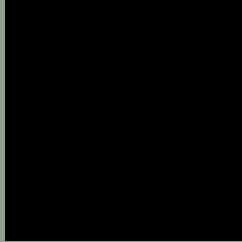
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3587, 33.2057, 31.6500

Background



This preview shows how black text looks on a background with the XYZ color 29.3587, 33.2057, 31.6500.



This preview shows how white text looks on a background with the XYZ color 29.3587, 33.2057,

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

29.3587, 33.2057, 31.6500

Protanopia

31.5041, 33.0771, 30.3153

Deuteranopia

33.6284, 32.9179, 32.1852



Tritanopia

31.6128, 33.3681, 42.3106

Trichromacy



Original Color

29.3587, 33.2057, 31.6500

Protanomaly

30.7252, 33.1650, 30.7687

Deuteranomaly

31.8482, 32.9731, 31.8800

Tritanomaly

30.7848, 33.2877, 38.0603

Monochromacy



Original Color

29.3587, 33.2057, 31.6500

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2369, 32.5906, 33.9751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3587, 33.2057, 31.6500 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(145, 160, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 160, 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(145, 160, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 160, 145) }
```

Border

The CSS property to change the border of an element to XYZ 29.3587, 33.2057, 31.6500 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(145, 160, 145) }
```


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

```
.border{ border-color:rgb(145, 160, 145) }
```

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

Here you see how a box with a 4 pixel rgb(145, 160, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 160, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 160, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 160,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3587, 33.2057, 31.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 160, 145) }
```

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

```
.background{ background-color: rgb(145,  
160, 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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