

Converting Colors

XYZ(29.4544, 31.7294, 33.5016)

Have a look what the booklet for
XYZ(29.4544, 31.7294, 33.5016)
contains.

XYZ(29.4550, 31.7028, 33.4210)	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(29.4550, 31.7028,
33.4210)**

Conversions

Conversions Part 1

Format	Color
Hex	959A96
RGB	149, 154, 150
RGB Percent	58%, 60%, 59%
CMY	0.4157, 0.3961, 0.4118
CMYK	0.03, 0.00, 0.03, 0.40
HSL	132°, 2%, 59%
HSV	132°, 3%, 60%
XYZ	29.4550, 31.7028, 33.4210
YIQ	152.0490, -1.6960, -2.3040

Conversions

Conversions Part 2

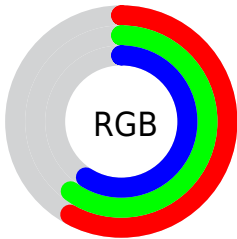
Format	Color
RYB	149, 153, 154
Decimal	9804438
CIELab	63.10, -2.57, 1.46
CIELCh	63, 2.961, 150.420
Yxy	31.7028, 0.3114, 0.3352
Android (android.graphics.Color)	4287994518 (0xFF959A96)
YUV	152.0490, -1.0102, -2.6740
Hunter-Lab	56.3052, -5.1553, 4.2210

Details

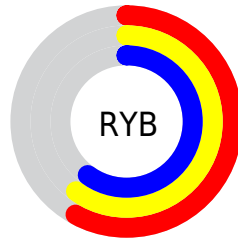
The XYZ color **29.4550, 31.7028, 33.4210** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.8247, 30.6655, 34.4855**, and the grayscale version is **29.8716, 31.4273, 34.2243**.

A 20% lighter version of the original color is **58.0836, 62.1679, 66.0650**, and **12.1394, 13.1980, 13.7120** is the 20% darker color. If you saturate the color by 10%, you get **25.8885, 29.9738, 28.3448**, and if you desaturate by 10%, it is **33.4992, 33.6678, 39.0654**.

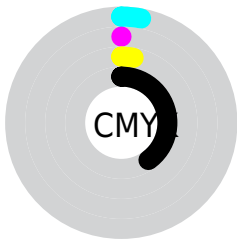
Distribution



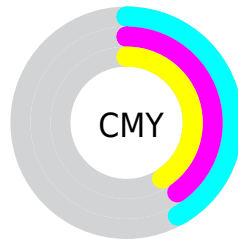
- Red (58%)
- Green (60%)
- Blue (59%)



- Red (58%)
- Yellow (60%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4550, 31.7028, 33.4210 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 29.4550, 31.7028, 33.4210 by changing the saturation by 10% instead.

■ 29.4550, 31.7028,
33.4210

■ 29.4550, 31.7028,
33.4210

291.3114,
309.7632, 332.2325

■ 19.5713, 21.1346,
22.1754

■ 58.1918, 62.3449,
66.1558

■ 12.1903, 13.2224,
13.7863

■ 77.7756, 83.1875,
88.4821

■ 6.9465, 7.5819,
7.8351

101.3234,
108.2238, 115.3391

■ 3.4747, 3.8286,
3.9034

129.2008,
137.8381, 147.1452

■ 1.4095, 1.5781,
1.5725

161.7728,
172.4148, 184.3191

■ 0.2630, 0.3428,
0.2711

199.4051,

■ 0.0000, 0.0000,

212.3383, 227.2793

0.0000

242.4628,
257.9929, 276.4442

■ 29.4550, 31.7028,
33.4210

■ 29.4550, 31.7028,
33.4210

■ 25.8885, 29.9738,
28.3448

■ 33.4992, 33.6678,
39.0654

■ 22.7794, 28.4680,
23.8173

■ 38.0351, 35.8731,
45.2928

■ 20.1097, 27.1774,
19.8205

■ 43.0797, 38.3277,
52.1200

■ 17.8593, 26.0921,
16.3351

■ 48.6480, 41.0393,
59.5624

■ 16.0067, 25.2014,
13.3402

■ 54.7547, 44.0151,
67.6350

■ 14.5280, 24.4935,
10.8139

■ 61.4137, 47.2619,
76.3521

■ 13.3972, 23.9554,
8.7323

■ 67.9720, 50.4428,
85.6965

■ 12.5843, 23.5724,
7.0695

■ 69.8272, 51.1849,
95.4658

■ 12.0546, 23.3269,
5.7969

■ 70.8462, 51.5925,
100.8321

Harmonies

Analogous

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



29.7368, 31.7028, 32.6163



29.4550, 31.7028, 33.4210



29.3544, 31.7028, 34.5354

Triad

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



29.4550, 31.7028, 33.4210



30.1383, 31.7028, 36.8163



30.8146, 31.7028, 33.3931

Complementary

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



29.4550, 31.7028, 33.4210



29.8247, 30.6655, 34.4855

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.



30.9244, 31.7028, 34.5025



29.4550, 31.7028, 33.4210



30.5318, 31.7028, 36.4942

Square

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



29.4550, 31.7028, 33.4210



29.7467, 31.7028, 36.5113



30.8204, 31.7028, 35.6407



30.5217, 31.7028, 32.6004

Rectangle

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



29.4550, 31.7028, 33.4210



29.4028, 31.7028, 35.3093



30.8204, 31.7028, 35.6407



30.8742, 31.7028, 33.7405

Sweetspot

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



29.4559, 31.7042, 33.4217



55.0671, 58.3478, 62.9045



30.1343, 32.0632, 33.0346



12.4740, 13.2115, 14.2519



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.



29.4559, 31.7042, 33.4217



52.9348, 57.3127, 59.9044



29.6527, 31.7829, 34.4581



6.5594, 7.1288, 7.4104



9.6249, 18.9134, 4.2451



0.1547, 0.2871, 0.1205

Inverse Universe

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



29.8247, 30.6655, 34.4855



53.7717, 54.9560, 62.3181



29.6270, 30.5864, 33.4440



6.6769, 6.7977, 7.7494



13.7932, 6.7715, 15.9678



0.2182, 0.1060, 0.3019

Previews

White Background



This preview shows how the XYZ color 29.4550, 31.7028, 33.4210 looks on a white background.

Color Contrast Check

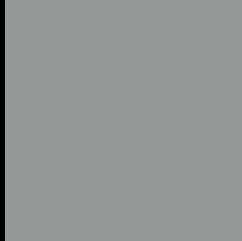
Large Text (above 18pt) WCAG AA × Fail

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 29.4550, 31.7028, 33.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

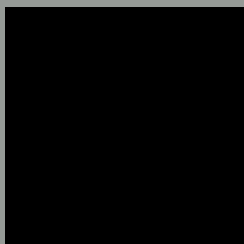
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

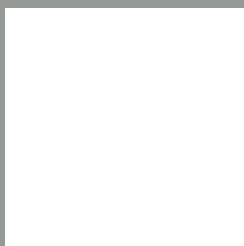
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4550, 31.7028, 33.4210

Background



This preview shows how black text looks on a background with the XYZ color 29.4550, 31.7028, 33.4210.



This preview shows how white text looks on a background with the XYZ color 29.4550, 31.7028,

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

29.4550, 31.7028, 33.4210

Protanopia

30.3634, 31.6943, 32.9511

Deuteranopia

32.3243, 31.7390, 33.7007



Tritanopia

30.6916, 31.7161, 39.6262

Trichromacy



Original Color

29.4550, 31.7028, 33.4210

Protanomaly

29.9529, 31.7247, 32.9786

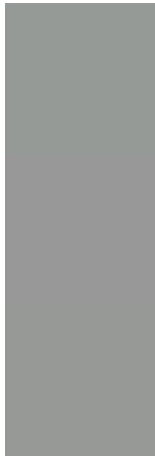
Deuteranomaly

31.1902, 31.6241, 33.7383

Tritanomaly

30.2269, 31.7697, 37.3399

Monochromacy



Original Color

29.4550, 31.7028, 33.4210

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7396, 31.5961, 33.8094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4550, 31.7028, 33.4210 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(149, 154, 150)` looks like.

```
.text, #text, p{  
    color:rgb(149, 154, 150)  
}
```

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(149, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 154, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.4550, 31.7028, 33.4210 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(149, 154, 150) }
```


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

```
.border{ border-color:rgb(149, 154, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(149, 154,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4550, 31.7028, 33.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 154, 150) }
```

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

```
.background{ background-color: rgb(149,  
154, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor