

Converting Colors

XYZ(31.1835, 31.4199, 29.5784)

Have a look what the booklet for
XYZ(31.1835, 31.4199, 29.5784)
contains.

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Color

**XYZ(31.2810, 31.5250,
29.6355)**

Conversions

Conversions Part 1

Format	Color
Hex	A6958D
RGB	166, 149, 141
RGB Percent	65%, 58%, 55%
CMY	0.3490, 0.4157, 0.4471
CMYK	0.00, 0.10, 0.15, 0.35
HSL	19°, 12%, 60%
HSV	19°, 15%, 65%
XYZ	31.2810, 31.5250, 29.6355
YIQ	153.1710, 12.7000, 1.1160

Conversions

Conversions Part 2

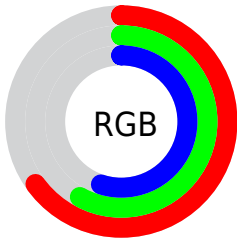
Format	Color
RYB	166, 153, 141
Decimal	10917261
CIELab	62.95, 4.92, 6.51
CIELCh	63, 8.154, 52.922
Yxy	31.5250, 0.3384, 0.3410
Android (android.graphics.Color)	4289107341 (0xFFA6958D)
YUV	153.1710, -6.0003, 11.2510
Hunter-Lab	56.1471, 1.1894, 8.0086

Details

The XYZ color **31.2810, 31.5250, 29.6355** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0940, 32.8686, 40.8347**, and the grayscale version is **30.3749, 31.9567, 34.8009**.

A 20% lighter version of the original color is **61.0251, 62.0242, 60.3853**, and **13.1954, 13.0681, 11.7245** is the 20% darker color. If you saturate the color by 10%, you get **28.4376, 27.6688, 23.0438**, and if you desaturate by 10%, it is **34.4843, 35.8042, 37.2614**.

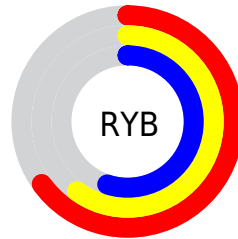
Distribution



Red (65%)

Green (58%)

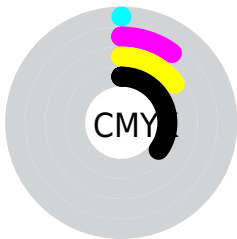
Blue (55%)



Red (65%)

Yellow (60%)

Blue (55%)

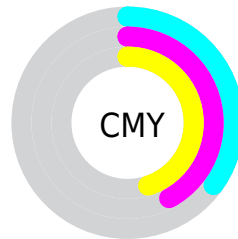


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2810, 31.5250, 29.6355 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 31.2810, 31.5250, 29.6355 by changing the saturation by 10% instead.

■ 31.2810, 31.5250,
29.6355

■ 31.2810, 31.5250,
29.6355

299.6346,
308.9497, 314.3560

■ 20.9658, 20.9989,
19.3124

■ 61.0550, 62.0657,
60.1394

■ 13.2113, 13.1232,
11.7171

■ 81.2446, 82.8491,
81.1573

■ 7.6522, 7.5135,
6.4312

■ 105.4563,
107.8205, 106.5773

■ 3.9232, 3.7852,
3.0360

134.0555,
137.3641, 136.8177

■ 1.6588, 1.5542,
1.1130

167.4076,
171.8645, 172.2973

■ 0.4302, 0.3264,
0.0000

205.8779,

■ 0.0000, 0.0000,

211.7059, 213.4345

0.0000

249.8318,
257.2729, 260.6479

■ 31.2810, 31.5250,
29.6355

■ 31.2810, 31.5250,
29.6355

■ 28.4376, 27.6688,
23.0438

■ 34.4843, 35.8042,
37.2614

■ 25.9385, 24.2182,
17.4394

■ 38.0574, 40.5146,
45.9615

■ 23.7705, 21.1610,
12.7747

■ 42.0129, 45.6696,
55.7763

■ 21.9187, 18.4824,
8.9974

■ 46.3620, 51.2806,
66.7435

■ 20.3669, 16.1670,
6.0502

■ 51.1156, 57.3587,
78.8991

■ 19.0973, 14.1981,
3.8687

■ 56.2838, 63.9146,
92.2773

■ 18.0897, 12.5573,
2.3788

■ 61.5204, 70.8159,
105.0341

■ 17.3204, 11.2241,
1.4891

■ 64.7272, 77.2296,
106.1031

■ 17.0056, 10.6664,
1.1625

■ 68.1405, 84.0561,
107.2408

Harmonies

Analogous

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



31.9915, 31.5250, 31.9785



31.2810, 31.5250, 29.6355



30.2298, 31.5250, 28.5605

Triad

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



31.2810, 31.5250, 29.6355



27.8765, 31.5250, 33.5708



30.8103, 31.5250, 40.3260

Complementary

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



31.2810, 31.5250, 29.6355



30.0940, 32.8686, 40.8347

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.



29.6989, 31.5250, 40.8180



31.2810, 31.5250, 29.6355



28.0232, 31.5250, 36.7843

Square

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



31.2810, 31.5250, 29.6355



28.2778, 31.5250, 30.7390



28.6837, 31.5250, 39.4856



31.7150, 31.5250, 38.1803

Rectangle

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



31.2810, 31.5250, 29.6355



29.4845, 31.5250, 28.6573



28.6837, 31.5250, 39.4856



30.4478, 31.5250, 40.6955

Sweetspot

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



31.2819, 31.5264, 29.6362



62.5653, 64.9540, 67.5766



31.4297, 29.6286, 36.4479



13.9083, 14.4126, 14.8995



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.



31.2819, 31.5264, 29.6362



55.0126, 54.8418, 49.6662



33.3516, 35.6659, 30.3261



7.7199, 7.9198, 7.9111



13.2252, 8.3476, 0.9142



0.3676, 0.2947, 0.0375

Inverse Universe

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



30.0940, 32.8686, 40.8347



52.4458, 57.7396, 73.8560



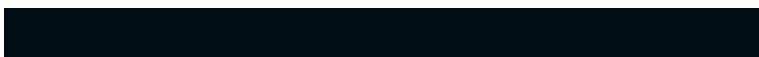
28.0825, 28.8458, 40.1642



7.5420, 8.1210, 9.5883



9.9476, 11.3553, 29.6430



0.2851, 0.3625, 0.7356

Previews

White Background



This preview shows how the XYZ color 31.2810, 31.5250, 29.6355 looks on a white background.

Color Contrast Check

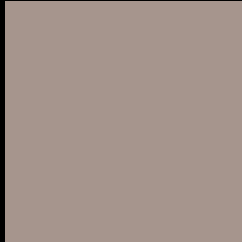
Large Text (above 18pt) WCAG AA × Fail

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 31.2810, 31.5250, 29.6355 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 31.2810, 31.5250, 29.6355

Background



This preview shows how black text looks on a background with the XYZ color 31.2810, 31.5250, 29.6355.



This preview shows how white text looks on a background with the XYZ color 31.2810, 31.5250,

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

31.2810, 31.5250, 29.6355

Protanopia

30.0908, 31.6077, 30.5015

Deuteranopia

32.0360, 31.4485, 29.5810



Tritanopia

32.5989, 31.3512, 36.6810

Trichromacy



Original Color

31.2810, 31.5250, 29.6355

Protanomaly

30.4463, 31.5598, 30.0781

Deuteranomaly

31.7598, 31.5379, 29.6128

Tritanomaly

32.0376, 31.3499, 34.0683

Monochromacy



Original Color

31.2810, 31.5250, 29.6355

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7536, 31.8955, 32.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2810, 31.5250, 29.6355 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, 149, 141)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 141)  
}
```

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, 149, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.2810, 31.5250, 29.6355 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, 149, 141) }
```


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

```
.border{ border-color:rgb(166, 149, 141) }
```

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

Here you see how a box with a 4 pixel rgb(166, 149, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 141);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2810, 31.5250, 29.6355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 141) }
```

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

```
.background{ background-color: rgb(166,  
149, 141) }
```

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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