

Converting Colors

XYZ(31.2384, 31.7139, 33.7128)

Have a look what the booklet for
XYZ(31.2384, 31.7139, 33.7128)
contains.

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Color

**XYZ(31.1902, 31.6241,
33.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	A19697
RGB	161, 150, 151
RGB Percent	63%, 59%, 59%
CMY	0.3686, 0.4117, 0.4078
CMYK	0.00, 0.07, 0.06, 0.37
HSL	355°, 6%, 61%
HSV	355°, 7%, 63%
XYZ	31.1902, 31.6241, 33.7383
YIQ	153.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

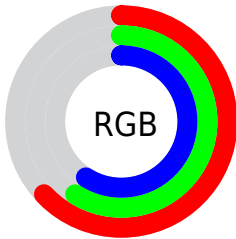
Format	Color
RYB	161, 150, 151
Decimal	10589847
CIELab	63.03, 4.23, 0.92
CIELCh	63, 4.325, 12.321
Yxy	31.6241, 0.3230, 0.3275
Android (android.graphics.Color)	4288779927 (0xFFA19697)
YUV	153.4030, -1.1847, 6.6626
Hunter-Lab	56.2353, 0.5910, 3.7938

Details

The XYZ color **31.1902, 31.6241, 33.7383** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6689, 34.5127, 38.2519**, and the grayscale version is **30.4577, 32.0439, 34.8958**.

A 20% lighter version of the original color is **60.9312, 62.1924, 66.5505**, and **13.0688, 13.0950, 13.8954** is the 20% darker color. If you saturate the color by 10%, you get **27.6796, 26.3886, 27.0619**, and if you desaturate by 10%, it is **35.2033, 37.6274, 41.3115**.

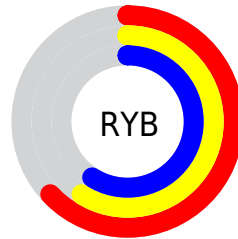
Distribution



Red (63%)

Green (59%)

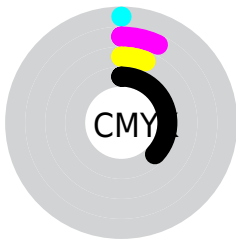
Blue (59%)



Red (63%)

Yellow (59%)

Blue (59%)

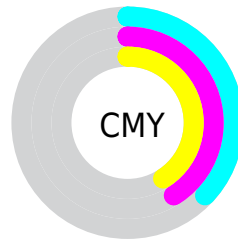


Cyan (0%)

Magenta (7%)

Yellow (6%)

Black (37%)



Cyan (37%)

Magenta (41%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1902, 31.6241, 33.7383 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 31.1902, 31.6241, 33.7383 by changing the saturation by 10% instead.

■ 31.1902, 31.6241,
33.7383

■ 31.1902, 31.6241,
33.7383

299.2249,
309.4033, 333.6970

■ 20.8963, 21.0745,
22.4169

■ 60.9132, 62.2213,
66.6557

■ 13.1602, 13.1785,
13.9623

■ 81.0730, 83.0378,
89.0888

■ 7.6167, 7.5516,
7.9560

105.2521,
108.0454, 116.0629

■ 3.9004, 3.8094,
3.9794

133.8159,
137.6284, 147.9965

■ 1.6460, 1.5675,
1.6141

167.1297,
172.1713, 185.3082

■ 0.4221, 0.3355,
0.3008

205.5589,

■ 0.0000, 0.0000,

212.0585, 228.4165

0.0000

249.4688,
257.6744, 277.7399

■ 31.1902, 31.6241,
33.7383

■ 31.1902, 31.6241,
33.7383

■ 27.6796, 26.3886,
27.0619

■ 35.2033, 37.6274,
41.3115

■ 24.6490, 21.8861,
21.2470

■ 39.7348, 44.4235,
49.8108

■ 22.0785, 18.0850,
16.2592

■ 44.8033, 52.0411,
59.2668

■ 19.9454, 14.9500,
12.0609

■ 50.4254, 60.5065,
69.7080

■ 18.2253, 12.4428,
8.6114

■ 56.6174, 69.8447,
81.1619

■ 16.8914, 10.5210,
5.8666

■ 63.3947, 80.0796,
93.6547

■ 15.9135, 9.1370,
3.7778

■ 68.2647, 86.2198,
106.3758

■ 15.2570, 8.2358,
2.2898

■ 68.5081, 86.3172,
107.6579

■ 14.8731, 7.7358,
1.3361

Harmonies

Analogous

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



31.1618, 31.6241, 35.4386



31.1902, 31.6241, 33.7383



30.9122, 31.6241, 32.2725

Triad

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



31.1902, 31.6241, 33.7383



29.2935, 31.6241, 32.0654



29.7114, 31.6241, 37.6527

Complementary

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



31.1902, 31.6241, 33.7383



31.6689, 34.5127, 38.2519

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.



29.2192, 31.6241, 36.6884



31.1902, 31.6241, 33.7383



28.9801, 31.6241, 33.4471

Square

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



31.1902, 31.6241, 33.7383



29.8141, 31.6241, 31.3282



28.9531, 31.6241, 35.1377



30.3027, 31.6241, 37.7370

Rectangle

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



31.1902, 31.6241, 33.7383



30.5927, 31.6241, 31.6105



28.9531, 31.6241, 35.1377



29.5291, 31.6241, 37.4193

Sweetspot

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



31.1911, 31.6255, 33.7390



59.1899, 61.6155, 66.7192



31.8175, 31.8506, 38.1895



13.0002, 13.5415, 14.6683



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.



31.1911, 31.6255, 33.7390



54.9793, 55.3228, 58.7542



31.8256, 33.0237, 33.5526



7.0986, 7.0959, 7.5059



11.8126, 6.0811, 0.9381



0.2555, 0.1307, 0.0582

Inverse Universe

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



31.1911, 31.6255, 33.7390



54.9793, 55.3228, 58.7542



31.0012, 33.0372, 38.4615



7.0986, 7.0959, 7.5059



11.8126, 6.0811, 0.9381



0.2555, 0.1307, 0.0582

Previews

White Background



This preview shows how the XYZ color 31.1902, 31.6241, 33.7383 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 31.1902, 31.6241, 33.7383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

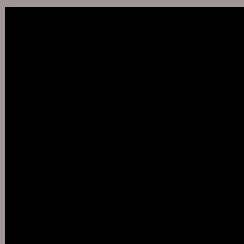
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

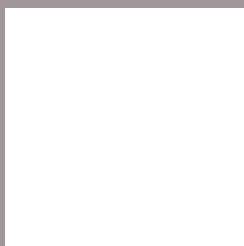
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1902, 31.6241, 33.7383

Background



This preview shows how black text looks on a background with the XYZ color 31.1902, 31.6241, 33.7383.



This preview shows how white text looks on a background with the XYZ color 31.1902, 31.6241,

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

31.1902, 31.6241, 33.7383

Protanopia

30.4133, 31.6920, 34.2200

Deuteranopia

32.3243, 31.7390, 33.7007



Tritanopia

31.9929, 31.7143, 37.6930

Trichromacy



Original Color

31.1902, 31.6241, 33.7383

Protanomaly

30.6387, 31.5683, 34.1842

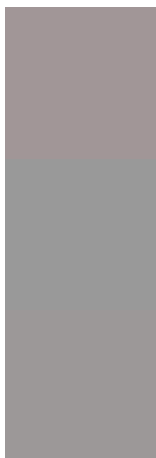
Deuteranomaly

31.8504, 31.7286, 33.7237

Tritanomaly

31.7335, 31.6106, 36.3272

Monochromacy



Original Color

31.1902, 31.6241, 33.7383

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6060, 31.7914, 34.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1902, 31.6241, 33.7383 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(161, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(161, 150, 151)  
}
```

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(161, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 150, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.1902, 31.6241, 33.7383 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(161, 150, 151) }
```


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

```
.border{ border-color:rgb(161, 150, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 150, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 150, 151); box-shadow:4px 4px 4px 4px rgb(161, 150, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1902, 31.6241, 33.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 150, 151) }
```

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

```
.background{ background-color: rgb(161,  
150, 151) }
```

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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