

Converting Colors

XYZ(31.2633, 31.6019, 54.7880)

Have a look what the booklet for
XYZ(31.2633, 31.6019, 54.7880)
contains.

XYZ(31.3351, 31.7100, 54.9212)	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(31.3351, 31.7100,
54.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	8A98C1
RGB	138, 152, 193
RGB Percent	54%, 60%, 76%
CMY	0.4588, 0.4039, 0.2431
CMYK	0.28, 0.21, 0.00, 0.24
HSL	225°, 31%, 65%
HSV	225°, 28%, 76%
XYZ	31.3351, 31.7100, 54.9212
YIQ	152.4880, -21.5050, 9.7830

Conversions

Conversions Part 2

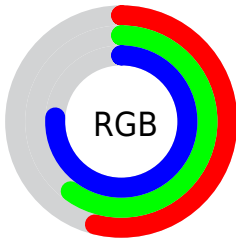
Format	Color
R _Y B	138, 149, 193
Decimal	9083073
CIE Lab	63.10, 4.45, -22.82
CIE LCh	63, 23.251, 281.035
Yxy	31.7100, 0.2656, 0.2688
Android (android.graphics.Color)	4287273153 (0xFF8A98C1)
YUV	152.4880, 19.9724, -12.7060
Hunter-Lab	56.3116, 0.7825, -18.4079

Details

The XYZ color **31.3351, 31.7100, 54.9212** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.7004, 45.4130, 30.5607**, and the grayscale version is **29.9797, 31.5410, 34.3481**.

A 20% lighter version of the original color is **61.0649, 62.2512, 99.2397**, and **13.1516, 13.1499, 26.2711** is the 20% darker color. If you saturate the color by 10%, you get **26.2262, 25.8182, 54.0538**, and if you desaturate by 10%, it is **37.2967, 38.4633, 55.9111**.

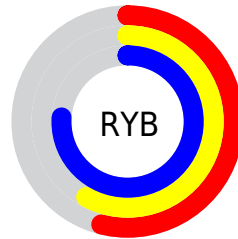
Distribution



Red (54%)

Green (60%)

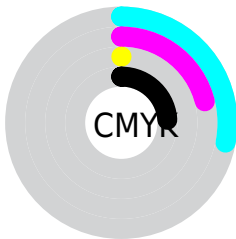
Blue (76%)



Red (54%)

Yellow (58%)

Blue (76%)

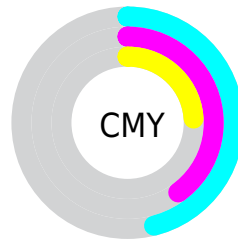


Cyan (28%)

Magenta (21%)

Yellow (0%)

Black (24%)



Cyan (46%)

Magenta (40%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3351, 31.7100, 54.9212 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 31.3351, 31.7100, 54.9212 by changing the saturation by 10% instead.

■ 31.3351, 31.7100,
54.9212

■ 31.3351, 31.7100,
54.9212

299.8786,
309.7961, 422.8867

■ 21.0072, 21.1401,
38.9405

■ 61.1395, 62.3562,
98.8955

■ 13.2418, 13.2264,
26.4059

■ 81.3468, 83.2012,
127.7261

■ 7.6734, 7.5847,
16.8991

■ 105.5779,
108.2402, 161.6771

■ 3.9367, 3.8304,
10.0014

134.1982,
137.8573, 201.1670

■ 1.6664, 1.5791,
5.2942

167.5731,
172.4371, 246.6144

■ 0.4351, 0.3435,
2.3592

206.0679,

■ 0.0000, 0.0000,

212.3638, 298.4378

0.7641

250.0479,
258.0221, 357.0557

■ 0.0000, 0.0000,
0.0000

■ 31.3351, 31.7100,
54.9212

■ 31.3351, 31.7100,
54.9212

■ 26.2262, 25.8182,
54.0538

■ 37.2967, 38.4633,
55.9111

■ 21.9268, 20.7485,
53.3018

■ 44.1454, 46.1080,
57.0257

■ 18.3945, 16.4638,
52.6610

■ 51.9173, 54.6768,
58.2700

■ 15.5813, 12.9227,
52.1257

■ 60.6456, 64.1999,
59.6481

■ 13.4340, 10.0794,
51.6901

■ 70.3618, 74.7060,
61.1639

■ 11.8907, 7.8824,
51.3474

■ 81.0960, 86.2225,
62.8210

■ 10.8588, 6.2625,
51.0891

■ 85.9002, 95.1792,
64.2966

■ 10.7295, 6.0579,
51.0564

■ 86.6257, 96.6303,
64.5385

Harmonies

Analogous

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



28.1796, 31.7100, 54.0644



31.3351, 31.7100, 54.9212



34.3714, 31.7100, 49.6334

Triad

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



31.3351, 31.7100, 54.9212



35.0338, 31.7100, 24.1826



24.6761, 31.7100, 29.0999

Complementary

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



31.3351, 31.7100, 54.9212



42.7004, 45.4130, 30.5607

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.



26.2699, 31.7100, 22.8461



31.3351, 31.7100, 54.9212



32.1880, 31.7100, 20.3744

Square

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



31.3351, 31.7100, 54.9212



36.6055, 31.7100, 31.2558



28.9745, 31.7100, 19.9329



24.4835, 31.7100, 38.0184

Rectangle

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



31.3351, 31.7100, 54.9212



35.8624, 31.7100, 43.8040



28.9745, 31.7100, 19.9329



25.0602, 31.7100, 26.6617

Sweetspot

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



31.3361, 31.7113, 54.9219



78.2243, 81.6473, 101.9969



37.6214, 46.7717, 49.3409



16.3770, 17.0664, 21.8163



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.3361, 31.7113, 54.9219



50.4208, 50.2437, 97.4008



31.4466, 28.5915, 54.3139



9.7321, 10.1555, 12.7321



7.1915, 4.1395, 33.9766



0.3682, 0.2938, 1.4872

Inverse Universe

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



36.7491, 31.7824, 33.9048



61.7547, 50.7612, 53.3120



42.5193, 49.6989, 31.3975



10.1761, 10.1190, 11.0177



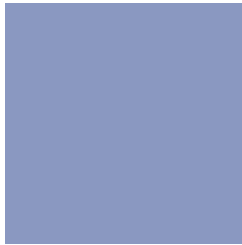
15.0259, 7.7001, 2.7826



0.6782, 0.3443, 0.2730

Previews

White Background



This preview shows how the XYZ color 31.3351, 31.7100, 54.9212 looks on a white background.

Color Contrast Check

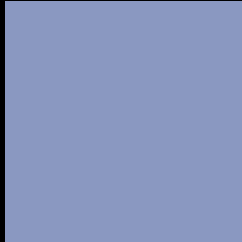
Large Text (above 18pt) WCAG AA × Fail

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 31.3351, 31.7100, 54.9212 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 31.3351, 31.7100, 54.9212

Background



This preview shows how black text looks on a background with the XYZ color 31.3351, 31.7100, 54.9212.



This preview shows how white text looks on a background with the XYZ color 31.3351, 31.7100,

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

31.3351, 31.7100, 54.9212

Protanopia

31.7364, 31.6898, 54.3132

Deuteranopia

32.3860, 31.7739, 54.8781



Tritanopia

28.7228, 31.6281, 42.1271

Trichromacy



Original Color

31.3351, 31.7100, 54.9212

Protanomaly

31.5655, 31.6017, 54.3052

Deuteranomaly

32.0199, 31.8231, 54.9069

Tritanomaly

29.7489, 31.8079, 46.6911

Monochromacy



Original Color

31.3351, 31.7100, 54.9212

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2359, 31.4495, 41.0360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3351, 31.7100, 54.9212 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(138, 152, 193)` looks like.

```
.text, #text, p{  
    color:rgb(138, 152, 193)  
}
```

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(138, 152, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 152, 193) }
```

Border

The CSS property to change the border of an element to XYZ 31.3351, 31.7100, 54.9212 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(138, 152, 193) }
```


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

```
.border{ border-color:rgb(138, 152, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 152, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 152, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 152, 193);  
box-shadow:4px 4px 4px 4px rgb(138, 152,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3351, 31.7100, 54.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 152, 193) }
```

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

```
.background{ background-color: rgb(138,  
152, 193) }
```

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