

Converting Colors

XYZ(31.8248, 33.9694, 56.0483)

Have a look what the booklet for
XYZ(31.8248, 33.9694, 56.0483)
contains.

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Color

**XYZ(31.8241, 33.9422,
55.9131)**

Conversions

Conversions Part 1

Format	Color
Hex	84A0C2
RGB	132, 160, 194
RGB Percent	52%, 63%, 76%
CMY	0.4823, 0.3725, 0.2392
CMYK	0.32, 0.18, 0.00, 0.24
HSL	213°, 34%, 64%
HSV	213°, 32%, 76%
XYZ	31.8241, 33.9422, 55.9131
YIQ	155.5040, -27.6020, 4.6380

Conversions

Conversions Part 2

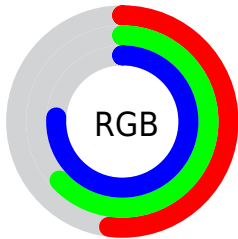
Format	Color
RYB	132, 151, 194
Decimal	8691906
CIELab	64.92, -1.58, -20.65
CIElCh	65, 20.707, 265.619
Yxy	33.9422, 0.2615, 0.2789
Android (android.graphics.Color)	4286881986 (0xFF84A0C2)
YUV	155.5040, 18.9785, -20.6130
Hunter-Lab	58.2599, -4.4505, -16.1197

Details

The XYZ color **31.8241, 33.9422, 55.9131** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.0497, 40.4080, 27.5194**, and the grayscale version is **31.3071, 32.9375, 35.8690**.

A 20% lighter version of the original color is **61.9627, 66.0050, 100.7412**, and **13.5105, 14.5362, 26.9046** is the 20% darker color. If you saturate the color by 10%, you get **27.3020, 28.9900, 55.1962**, and if you desaturate by 10%, it is **37.0703, 39.5036, 56.7106**.

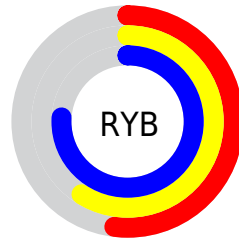
Distribution



Red (52%)

Green (63%)

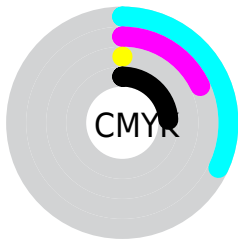
Blue (76%)



Red (52%)

Yellow (59%)

Blue (76%)

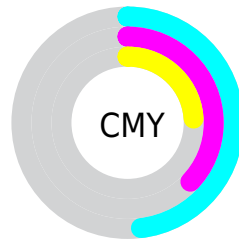


Cyan (32%)

Magenta (18%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (37%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8241, 33.9422, 55.9131 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 31.8241, 33.9422, 55.9131 by changing the saturation by 10% instead.

■ 31.8241, 33.9422,
55.9131

■ 31.8241, 33.9422,
55.9131

302.0767,
319.8742, 426.7430

■ 21.3821, 22.8492,
39.7297

■ 61.9023, 65.8438,
100.3620

■ 13.5176, 14.4822,
27.0157

■ 82.2692, 87.4211,
129.4647

■ 7.8654, 8.4568,
17.3525

■ 106.6750,
113.2621, 163.7108

■ 4.0600, 4.3886,
10.3215

135.4853,
143.7510, 203.5190

■ 1.7361, 1.8932,
5.5043

169.0652,
179.2723, 249.3078

■ 0.4787, 0.5443,
2.4822

207.7802,

■ 0.0000, 0.0000,

220.2103, 301.4957

0.8307

251.9956,
266.9495, 360.5013

■ 0.0000, 0.0000,
0.0000

■ 31.8241, 33.9422,
55.9131

■ 31.8241, 33.9422,
55.9131

■ 27.3020, 28.9900,
55.1962

■ 37.0703, 39.5036,
56.7106

■ 23.4655, 24.6189,
54.5547

■ 43.0702, 45.6925,
57.5890

■ 20.2772, 20.8045,
53.9864

■ 49.8553, 52.5317,
58.5515

■ 17.6945, 17.5182,
53.4882

■ 57.4545, 60.0412,
59.6004

■ 15.6690, 14.7286,
53.0566

■ 65.8951, 68.2402,
60.7381

■ 14.1434, 12.3992,
52.6873

■ 75.2030, 77.1470,
61.9667

■ 13.1961, 10.8119,
52.4309

■ 80.5349, 84.2696,
63.0605

■ 83.6634, 90.5264,
64.1033

■ 86.7377, 96.6751,
65.1281

Harmonies

Analogous

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



29.1239, 33.9422, 52.2699



31.8241, 33.9422, 55.9131



34.8098, 33.9422, 53.8698

Triad

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



31.8241, 33.9422, 55.9131



37.7244, 33.9422, 30.2889



27.7475, 33.9422, 28.4218

Complementary

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



31.8241, 33.9422, 55.9131



40.0497, 40.4080, 27.5194

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.



29.8398, 33.9422, 24.0164



31.8241, 33.9422, 55.9131



35.6157, 33.9422, 24.9719

Square

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



31.8241, 33.9422, 55.9131



38.3360, 33.9422, 38.2287



32.7020, 33.9422, 22.8578



26.8643, 33.9422, 35.7144

Rectangle

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



31.8241, 33.9422, 55.9131



36.5444, 33.9422, 49.7032



32.7020, 33.9422, 22.8578



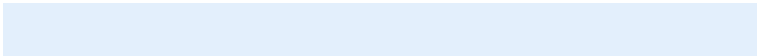
28.3262, 33.9422, 26.6010

Sweetspot

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



31.8252, 33.9435, 55.9139



80.1368, 84.9239, 104.6381



35.6059, 46.2088, 42.6725



17.1809, 18.2231, 22.8618



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8252, 33.9435, 55.9139



52.0714, 55.4134, 100.4212



27.8319, 25.4723, 54.4892



9.8945, 10.4804, 12.7862



8.7556, 7.2677, 34.4980



0.4470, 0.4515, 1.5135

Inverse Universe

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



36.8454, 30.5108, 37.2064



62.6910, 48.8939, 60.6818



45.1786, 51.4479, 29.3800



10.2581, 10.1518, 11.4495



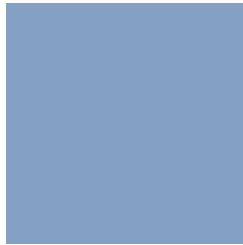
15.8154, 8.0159, 6.9399



0.7180, 0.3602, 0.4826

Previews

White Background



This preview shows how the XYZ color 31.8241, 33.9422, 55.9131 looks on a white background.

Color Contrast Check

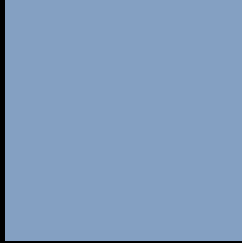
Large Text (above 18pt) WCAG AA × Fail

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 31.8241, 33.9422, 55.9131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

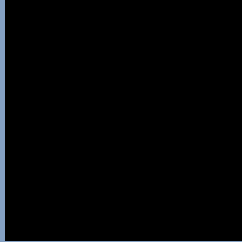
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8241, 33.9422, 55.9131

Background



This preview shows how black text looks on a background with the XYZ color 31.8241, 33.9422, 55.9131.



This preview shows how white text looks on a background with the XYZ color 31.8241, 33.9422,

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

31.8241, 33.9422, 55.9131

Protanopia

33.6869, 33.9281, 54.0635

Deuteranopia

34.5428, 33.8236, 56.3378



Tritanopia

29.8358, 33.9182, 46.0486

Trichromacy



Original Color

31.8241, 33.9422, 55.9131

Protanomaly

32.8991, 33.7594, 54.6514

Deuteranomaly

33.4158, 33.7368, 56.3804

Tritanomaly

30.5208, 33.9267, 49.7396

Monochromacy



Original Color

31.8241, 33.9422, 55.9131

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3453, 33.2193, 42.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8241, 33.9422, 55.9131 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(132, 160, 194)` looks like.

```
.text, #text, p{  
    color:rgb(132, 160, 194)  
}
```

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(132, 160, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 160, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.8241, 33.9422, 55.9131 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(132, 160, 194) }
```


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

```
.border{ border-color:rgb(132, 160, 194) }
```

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

Here you see how a box with a 4 pixel rgb(132, 160, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 160, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 160, 194);  
box-shadow:4px 4px 4px 4px rgb(132, 160,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8241, 33.9422, 55.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 160, 194) }
```

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

```
.background{ background-color: rgb(132,  
160, 194) }
```

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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