

Converting Colors

XYZ(31.6231, 31.9973, 63.7357)

Have a look what the booklet for
XYZ(31.6231, 31.9973, 63.7357)
contains.

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Color

**XYZ(31.5558, 31.8767,
63.5211)**

Conversions

Conversions Part 1

Format	Color
Hex	8099CF
RGB	128, 153, 207
RGB Percent	50%, 60%, 81%
CMY	0.4980, 0.4000, 0.1882
CMYK	0.38, 0.26, 0.00, 0.19
HSL	221°, 45%, 66%
HSV	221°, 38%, 81%
XYZ	31.5558, 31.8767, 63.5211
YIQ	151.6810, -32.2340, 11.4940

Conversions

Conversions Part 2

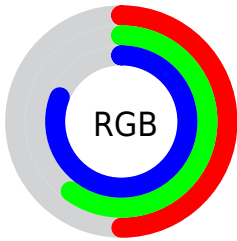
Format	Color
R_{YB}	128, 147, 207
Decimal	8427983
CIE _{Lab}	63.24, 4.66, -30.49
CIE _{LCh}	63, 30.848, 278.695
Yxy	31.8767, 0.2486, 0.2511
Android (android.graphics.Color)	4286618063 (0xFF8099CF)
YUV	151.6810, 27.2723, -20.7682
Hunter-Lab	56.4595, 0.9615, -27.1841

Details

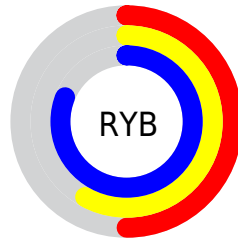
The XYZ color **31.5558, 31.8767, 63.5211** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.3570, 48.2805, 27.2990**, and the grayscale version is **29.6048, 31.1466, 33.9186**.

A 20% lighter version of the original color is **59.8913, 61.9129, 103.4015**, and **13.3205, 13.2656, 31.5642** is the 20% darker color. If you saturate the color by 10%, you get **26.5740, 26.0725, 62.6639**, and if you desaturate by 10%, it is **37.4496, 38.5600, 64.5010**.

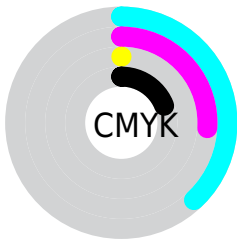
Distribution



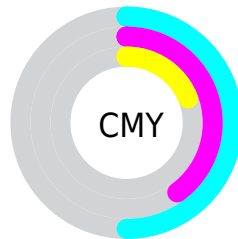
- Red (50%)
- Green (60%)
- Blue (81%)



- Red (50%)
- Yellow (58%)
- Blue (81%)



- Cyan (38%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5558, 31.8767, 63.5211 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 31.5558, 31.8767, 63.5211 by changing the saturation by 10% instead.

■ 31.5558, 31.8767,
63.5211

■ 31.5558, 31.8767,
63.5211

300.8721,
310.5572, 455.6181

■ 21.1763, 21.2673,
45.8192

■ 61.4840, 62.6177,
111.5138

■ 13.3662, 13.3196,
31.7555

■ 81.7634, 83.5182,
142.6416

■ 7.7599, 7.6490,
20.9116

■ 106.0735,
108.6178, 179.0819

■ 3.9922, 3.8712,
12.8688

134.7797,
138.3010, 221.2531

■ 1.6977, 1.6018,
7.2086

168.2473,
172.9522, 269.5738

■ 0.4548, 0.3588,
3.5125

206.8417,

■ 0.0000, 0.0000,

212.9556, 324.4625

1.3619

250.9282,
258.6959, 386.3377

■ 0.0000, 0.0000,
0.1117

■ 0.0000, 0.0000,
0.0000

■ 31.5558, 31.8767,
63.5211

■ 31.5558, 31.8767,
63.5211

■ 26.5740, 26.0725,
62.6639

■ 37.4496, 38.5600,
64.5010

■ 22.4523, 21.1047,
61.9223

■ 44.2967, 46.1553,
65.6062

■ 19.1388, 16.9319,
61.2915

■ 52.1399, 54.6981,
66.8417

■ 16.5737, 13.5075,
60.7657

■ 61.0183, 64.2209,
68.2119

■ 14.6880, 10.7788,
60.3384

■ 70.9688, 74.7546,
69.7207

■ 13.3838, 8.6768,
60.0014

■ 82.0264, 86.3287,
71.3719

■ 13.1822, 8.3442,
59.9478

■ 87.3281, 95.4161,
72.8465

■ 88.2626, 97.2850,
73.1580

Harmonies

Analogous

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



27.4120, 31.8767, 61.5422



31.5558, 31.8767, 63.5211



35.7251, 31.8767, 56.4813

Triad

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



31.5558, 31.8767, 63.5211



37.1672, 31.8767, 21.9876



23.2753, 31.8767, 26.8478

Complementary

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



31.5558, 31.8767, 63.5211



46.3570, 48.2805, 27.2990

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.



25.4501, 31.8767, 19.4026



31.5558, 31.8767, 63.5211



33.3795, 31.8767, 17.0894

Square

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



31.5558, 31.8767, 63.5211



39.1586, 31.8767, 31.2743



29.0738, 31.8767, 16.2695



22.8860, 31.8767, 38.3849

Rectangle

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



31.5558, 31.8767, 63.5211



37.8669, 31.8767, 48.4134



29.0738, 31.8767, 16.2695



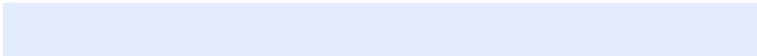
23.8113, 31.8767, 23.8696

Sweetspot

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



31.5569, 31.8779, 63.5219



79.6584, 83.4339, 106.5137



39.6575, 52.5923, 52.3090



16.6746, 17.4501, 22.7393



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.



31.5569, 31.8779, 63.5219



43.7768, 43.1880, 100.6366



30.2211, 25.7381, 62.4072



11.4647, 12.0196, 14.9594



8.3809, 5.4084, 37.7947



0.5396, 0.4443, 2.1369

Inverse Universe

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



39.2020, 31.0047, 34.0566



58.0058, 42.4391, 45.5996



48.0791, 57.4589, 28.9798



11.9607, 11.8690, 13.0687



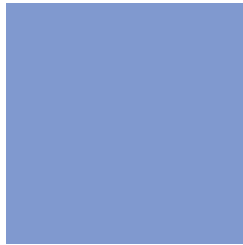
16.8610, 8.6172, 4.1743



0.9786, 0.4961, 0.4220

Previews

White Background



This preview shows how the XYZ color 31.5558, 31.8767, 63.5211 looks on a white background.

Color Contrast Check

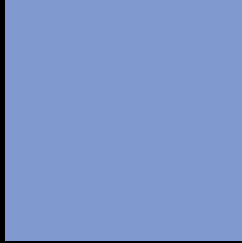
Large Text (above 18pt) WCAG AA × Fail

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 31.5558, 31.8767, 63.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

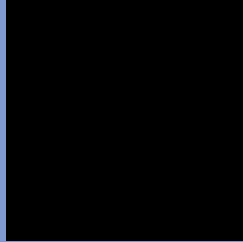
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5558, 31.8767, 63.5211

Background



This preview shows how black text looks on a background with the XYZ color 31.5558, 31.8767, 63.5211.



This preview shows how white text looks on a background with the XYZ color 31.5558, 31.8767,

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

31.5558, 31.8767, 63.5211

Protanopia

32.4026, 31.8594, 62.1993

Deuteranopia

32.7683, 32.0056, 64.1251



Tritanopia

27.4523, 31.6968, 43.7009

Trichromacy



Original Color

31.5558, 31.8767, 63.5211

Protanomaly

32.2003, 31.9810, 62.8683

Deuteranomaly

32.4449, 32.0789, 64.1563

Tritanomaly

28.8400, 31.7543, 50.5081

Monochromacy



Original Color

31.5558, 31.8767, 63.5211

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0023, 31.2747, 43.4850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5558, 31.8767, 63.5211 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(128, 153, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 207)  
}
```

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(128, 153, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 207) }
```

Border

The CSS property to change the border of an element to XYZ 31.5558, 31.8767, 63.5211 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(128, 153, 207) }
```


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

```
.border{ border-color:rgb(128, 153, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 153, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 153, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 153, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 153,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5558, 31.8767, 63.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 207) }
```

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

```
.background{ background-color: rgb(128,  
153, 207) }
```

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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