

Converting Colors

XYZ(31.5606, 35.3169, 57.0774)

Have a look what the booklet for
XYZ(31.5606, 35.3169, 57.0774)
contains.

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Color

**XYZ(31.5126, 35.3501,
56.7921)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA6C3
RGB	122, 166, 195
RGB Percent	48%, 65%, 76%
CMY	0.5216, 0.3490, 0.2353
CMYK	0.37, 0.15, 0.00, 0.24
HSL	204°, 38%, 62%
HSV	204°, 37%, 76%
XYZ	31.5126, 35.3501, 56.7921
YIQ	156.1500, -35.5330, -0.3090

Conversions

Conversions Part 2

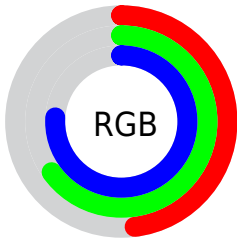
Format	Color
R _Y B	122, 149, 195
Decimal	8038083
CIE Lab	66.02, -7.48, -19.58
CIE LCh	66, 20.957, 249.102
Yxy	35.3501, 0.2548, 0.2859
Android (android.graphics.Color)	4286228163 (0xFF7AA6C3)
YUV	156.1500, 19.1531, -29.9495
Hunter-Lab	59.4560, -9.4401, -15.0144

Details

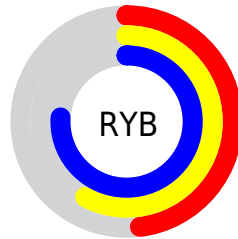
The XYZ color **31.5126, 35.3501, 56.7921** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.0859, 35.1413, 23.2418**, and the grayscale version is **31.5963, 33.2418, 36.2003**.

A 20% lighter version of the original color is **61.5586, 68.0883, 101.9933**, and **13.2793, 15.2229, 27.4377** is the 20% darker color. If you saturate the color by 10%, you get **27.6578, 31.3358, 56.2210**, and if you desaturate by 10%, it is **36.0084, 39.8224, 57.4190**.

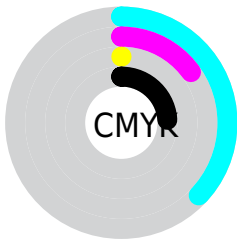
Distribution



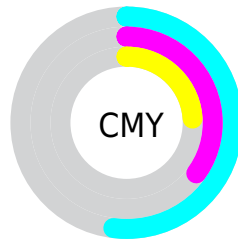
- Red (48%)
- Green (65%)
- Blue (76%)



- Red (48%)
- Yellow (58%)
- Blue (76%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



- Cyan (52%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5126, 35.3501, 56.7921 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 31.5126, 35.3501, 56.7921 by changing the saturation by 10% instead.

■ 31.5126, 35.3501,
56.7921

■ 31.5126, 35.3501,
56.7921

300.6778,
326.1110, 430.1417

■ 21.1432, 23.9327,
40.4301

■ 61.4166, 68.0278,
101.6591

■ 13.3418, 15.2837,
27.5577

■ 81.6819, 90.0568,
131.0012

■ 7.7429, 9.0187,
17.7564

■ 105.9766,
116.3919, 165.5070

■ 3.9813, 4.7534,
10.6076

134.6660,
147.4173, 205.5952

■ 1.6916, 2.1033,
5.6928

168.1155,
183.5176, 251.6842

■ 0.4510, 0.6665,
2.5934

206.6903,

■ 0.0000, 0.0000,

225.0770, 304.1926

0.8891

250.7560,
272.4800, 363.5389

■ 0.0000, 0.0000,
0.0000

■ 31.5126, 35.3501,
56.7921

■ 31.5126, 35.3501,
56.7921

■ 27.6578, 31.3358,
56.2210

■ 36.0084, 39.8224,
57.4190

■ 24.4059, 27.7551,
55.7013

■ 41.1740, 44.7673,
58.1012

■ 21.7196, 24.5876,
55.2315

■ 47.0401, 50.2035,
58.8413

■ 19.5557, 21.8085,
54.8091

■ 53.6346, 56.1473,
59.6410

■ 17.8636, 19.3894,
54.4314

■ 60.9837, 62.6144,
60.5020

■ 16.5725, 17.2913,
54.0944

■ 69.1124, 69.6196,
61.4257

■ 16.2745, 16.7882,
54.0131

■ 76.7434, 76.5062,
62.3527

■ 78.8267, 80.6727,
63.0471

■ 81.0055, 85.0303,
63.7734

Harmonies

Analogous

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



29.1724, 35.3501, 50.3231



31.5126, 35.3501, 56.7921



34.5533, 35.3501, 57.9800

Triad

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



31.5126, 35.3501, 56.7921



39.8511, 35.3501, 35.8463



29.9699, 35.3501, 26.6794

Complementary

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



31.5126, 35.3501, 56.7921



37.0859, 35.1413, 23.2418

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.



32.6629, 35.3501, 23.9454



31.5126, 35.3501, 56.7921



38.4526, 35.3501, 28.6749

Square

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



31.5126, 35.3501, 56.7921



39.4960, 35.3501, 44.9227



35.7760, 35.3501, 24.6149



28.3206, 35.3501, 32.7032

Rectangle

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



31.5126, 35.3501, 56.7921



36.5899, 35.3501, 55.4617



35.7760, 35.3501, 24.6149



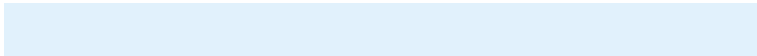
30.7761, 35.3501, 25.3909

Sweetspot

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



31.5137, 35.3515, 56.7929



80.1733, 86.1718, 104.8770



33.0458, 45.3701, 35.8638



17.2367, 18.5743, 22.9267



0.0000, 0.0000, 0.0000



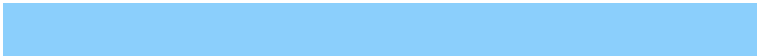
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5137, 35.3515, 56.7929



50.6549, 57.3143, 100.8628



25.9290, 24.1820, 54.9313



10.0219, 10.7352, 12.8287



10.6614, 11.0792, 35.1332



0.5264, 0.6103, 1.5399

Inverse Universe

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



36.3491, 28.2755, 39.6196



60.8204, 43.7214, 64.4712



43.6802, 48.3298, 25.4399



10.3224, 10.1776, 11.7881



16.7773, 8.4007, 12.0054



0.7581, 0.3763, 0.6936

Previews

White Background



This preview shows how the XYZ color 31.5126, 35.3501, 56.7921 looks on a white background.

Color Contrast Check

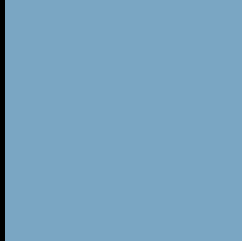
Large Text (above 18pt) WCAG AA × Fail

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 31.5126, 35.3501, 56.7921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

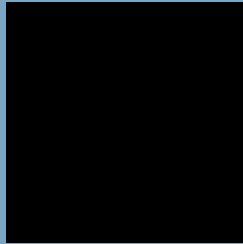
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5126, 35.3501, 56.7921

Background



This preview shows how black text looks on a background with the XYZ color 31.5126, 35.3501, 56.7921.



This preview shows how white text looks on a background with the XYZ color 31.5126, 35.3501,

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

31.5126, 35.3501, 56.7921

Protanopia

34.8293, 35.2863, 53.6904

Deuteranopia

36.0396, 35.3133, 57.7400



Tritanopia

30.0539, 35.3046, 49.4864

Trichromacy



Original Color

31.5126, 35.3501, 56.7921

Protanomaly

33.5901, 35.3972, 54.9311

Deuteranomaly

34.0362, 35.0564, 57.1972

Tritanomaly

30.5341, 35.2184, 52.2022

Monochromacy



Original Color

31.5126, 35.3501, 56.7921

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3281, 33.9732, 42.9365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5126, 35.3501, 56.7921 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(122, 166, 195)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 195)  
}
```

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(122, 166, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.5126, 35.3501, 56.7921 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(122, 166, 195) }
```


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

```
.border{ border-color:rgb(122, 166, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 166, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 195);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5126, 35.3501, 56.7921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 195) }
```

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

```
.background{ background-color: rgb(122,  
166, 195) }
```

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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