

Converting Colors

XYZ(31.0470, 35.5838, 70.7091)

Have a look what the booklet for
XYZ(31.0470, 35.5838, 70.7091)
contains.

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Color

**XYZ(31.1260, 35.6610,
70.8884)**

Conversions

Conversions Part 1

Format	Color
Hex	5CA9D9
RGB	92, 169, 217
RGB Percent	36%, 66%, 85%
CMY	0.6392, 0.3372, 0.1490
CMYK	0.58, 0.22, 0.00, 0.15
HSL	203°, 62%, 61%
HSV	203°, 58%, 85%
XYZ	31.1260, 35.6610, 70.8884
YIQ	151.4490, -61.3000, -1.3960

Conversions

Conversions Part 2

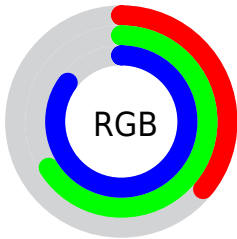
Format	Color
R _Y B	92, 140, 217
Decimal	6072793
CIE Lab	66.26, -9.93, -31.51
CIE LCh	66, 33.041, 252.510
Yxy	35.6610, 0.2261, 0.2590
Android (android.graphics.Color)	4284262873 (0xFF5CA9D9)
YUV	151.4490, 32.3166, -52.1368
Hunter-Lab	59.7168, -11.4655, -28.5799

Details

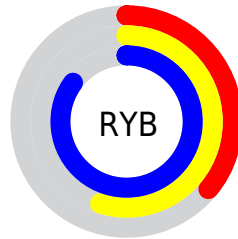
The XYZ color **31.1260, 35.6610, 70.8884** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **39.9264, 34.2823, 14.6395**, and the grayscale version is **29.4936, 31.0295, 33.7912**.

A 20% lighter version of the original color is **57.4682, 67.1106, 104.5325**, and **13.1323, 15.4598, 36.4743** is the 20% darker color. If you saturate the color by 10%, you get **27.7596, 31.6977, 70.3015**, and if you desaturate by 10%, it is **35.2143, 40.1445, 71.5390**.

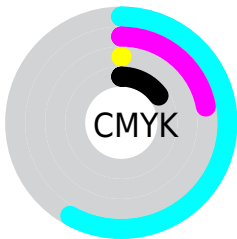
Distribution



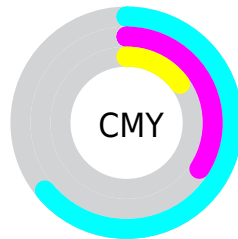
- Red (36%)
- Green (66%)
- Blue (85%)



- Red (36%)
- Yellow (55%)
- Blue (85%)



- Cyan (58%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1260, 35.6610, 70.8884 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 31.1260, 35.6610, 70.8884 by changing the saturation by 10% instead.

■ 31.1260, 35.6610,
70.8884

■ 31.1260, 35.6610,
70.8884

298.9349,
327.4764, 482.5364

■ 20.8471, 24.1725,
51.7699

■ 60.8129, 68.5085,
122.1678

■ 13.1241, 15.4616,
36.4407

■ 80.9516, 90.6363,
155.1657

■ 7.5917, 9.1440,
24.4824

■ 105.1076,
117.0793, 193.6271

■ 3.8844, 4.8352,
15.4763

■ 133.6463,
148.2219, 237.9707

■ 1.6369, 2.1509,
9.0040

166.9330,
184.4485, 288.6148

■ 0.4163, 0.6930,
4.6470

205.3331,

■ 0.0000, 0.0000,

226.1436, 345.9781

1.9866

249.2120,
273.6914, 410.4791

■ 0.0000, 0.0000,
0.5470

■ 0.0000, 0.0000,
0.0000

■ 31.1260, 35.6610,
70.8884

■ 31.1260, 35.6610,
70.8884

■ 27.7596, 31.6977,
70.3015

■ 35.2143, 40.1445,
71.5390

■ 25.0552, 28.2189,
69.7726

■ 40.0709, 45.1727,
72.2536

■ 22.9478, 25.1891,
69.2988

■ 45.7421, 50.7728,
73.0356

■ 21.3475, 22.5591,
68.8755

■ 52.2694, 56.9686,
73.8875

■ 21.0043, 21.9693,
68.7798

■ 59.6912, 63.7824,
74.8115

■ 68.0437, 71.2352,
75.8098

■ 77.3608, 79.3469,
76.8845

■ 83.6639, 86.0686,
77.8497

■ 86.1149, 90.9706,
78.6667

Harmonies

Analogous

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



27.3786, 35.6610, 60.2041



31.1260, 35.6610, 70.8884



35.9890, 35.6610, 71.8038

Triad

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



31.1260, 35.6610, 70.8884



44.0123, 35.6610, 33.2421



27.8866, 35.6610, 22.0631

Complementary

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



31.1260, 35.6610, 70.8884



39.9264, 34.2823, 14.6395

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.



31.8833, 35.6610, 17.9045



31.1260, 35.6610, 70.8884



41.3704, 35.6610, 23.2267

Square

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



31.1260, 35.6610, 70.8884



43.7592, 35.6610, 47.5688



36.8229, 35.6610, 18.2711



25.6367, 35.6610, 31.2308

Rectangle

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



31.1260, 35.6610, 70.8884



39.2467, 35.6610, 66.5037



36.8229, 35.6610, 18.2711



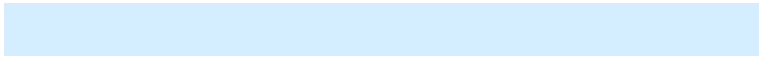
29.0529, 35.6610, 20.1456

Sweetspot

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



31.1272, 35.6623, 70.8893



75.7781, 82.5201, 106.5418



33.9552, 53.7930, 33.3739



15.7870, 17.2583, 22.7491



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.



31.1272, 35.6623, 70.8893



39.1412, 44.6096, 101.1553



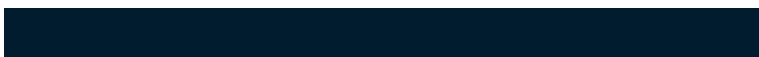
22.1538, 17.7154, 67.8981



13.0031, 13.9460, 16.6586



12.8199, 13.5092, 41.6703



0.9130, 1.0400, 2.7271

Inverse Universe

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



39.6049, 25.2719, 40.3279



53.0558, 30.4657, 50.3419



51.7664, 57.9623, 18.5862



13.3914, 13.1857, 15.3226



19.9662, 9.9875, 14.7340



1.3351, 0.6637, 1.1736

Previews

White Background



This preview shows how the XYZ color 31.1260, 35.6610, 70.8884 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 31.1260, 35.6610, 70.8884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

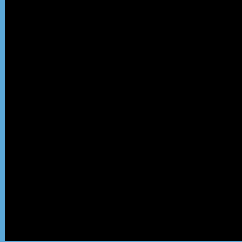
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1260, 35.6610, 70.8884

Background



This preview shows how black text looks on a background with the XYZ color 31.1260, 35.6610, 70.8884.

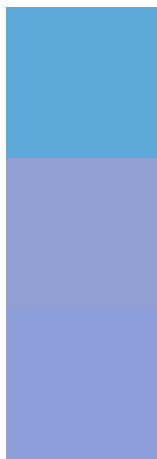


This preview shows how white text looks on a background with the XYZ color 31.1260, 35.6610,

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

31.1260, 35.6610, 70.8884

Protanopia

35.7681, 35.2602, 65.2423

Deuteranopia

36.1684, 35.3190, 71.9288



Tritanopia

27.5214, 35.6084, 52.9995

Trichromacy



Original Color

31.1260, 35.6610, 70.8884

Protanomaly

33.5564, 35.1062, 67.2949

Deuteranomaly

33.8874, 35.1877, 71.3355

Tritanomaly

28.7175, 35.5134, 59.3740

Monochromacy



Original Color

31.1260, 35.6610, 70.8884

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1706, 32.2947, 45.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1260, 35.6610, 70.8884 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(92, 169, 217)` looks like.

```
.text, #text, p{  
    color:rgb(92, 169, 217)  
}
```

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(92, 169, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 169, 217) }
```

Border

The CSS property to change the border of an element to XYZ 31.1260, 35.6610, 70.8884 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(92, 169, 217) }
```


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

```
.border{ border-color:rgb(92, 169, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 169, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 169, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 169, 217);  
box-shadow:4px 4px 4px 4px rgb(92, 169,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1260, 35.6610, 70.8884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 169, 217) }
```

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

```
.background{ background-color: rgb(92, 169,  
217) }
```

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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