

Converting Colors

XYZ(30.9754, 35.8316, 70.5540)

Have a look what the booklet for
XYZ(30.9754, 35.8316, 70.5540)
contains.

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Color

**XYZ(30.9858, 35.8810,
70.2583)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAAD8
RGB	90, 170, 216
RGB Percent	35%, 67%, 85%
CMY	0.6470, 0.3333, 0.1529
CMYK	0.58, 0.21, 0.00, 0.15
HSL	202°, 62%, 60%
HSV	202°, 58%, 85%
XYZ	30.9858, 35.8810, 70.2583
YIQ	151.3240, -62.4460, -2.6540

Conversions

Conversions Part 2

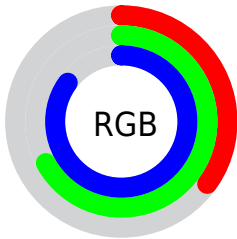
Format	Color
RYP	90, 139, 216
Decimal	5941976
CIELab	66.43, -11.18, -30.71
CIElCh	66, 32.678, 250.001
Yxy	35.8810, 0.2260, 0.2617
Android (android.graphics.Color)	4284132056 (0xFF5AAAD8)
YUV	151.3240, 31.8853, -53.7811
Hunter-Lab	59.9008, -12.4908, -27.6114

Details

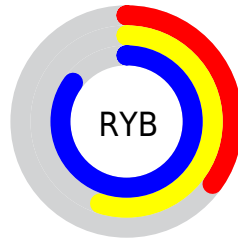
The XYZ color **30.9858, 35.8810, 70.2583** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.9696, 32.9468, 13.9796**, and the grayscale version is **29.4421, 30.9754, 33.7322**.

A 20% lighter version of the original color is **57.3696, 67.4600, 104.6051**, and **13.0495, 15.6012, 36.0418** is the 20% darker color. If you saturate the color by 10%, you get **27.7480, 32.0834, 69.6966**, and if you desaturate by 10%, it is **34.9250, 40.1733, 70.8799**.

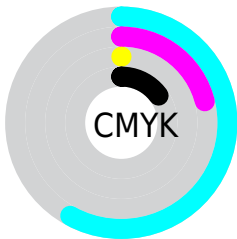
Distribution



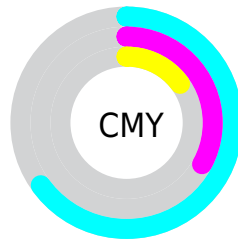
- Red (35%)
- Green (67%)
- Blue (85%)



- Red (35%)
- Yellow (55%)
- Blue (85%)



- Cyan (58%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9858, 35.8810, 70.2583 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 30.9858, 35.8810, 70.2583 by changing the saturation by 10% instead.

■ 30.9858, 35.8810,
70.2583

■ 30.9858, 35.8810,
70.2583

298.3009,
328.4401, 480.2700

■ 20.7398, 24.3423,
51.2590

■ 60.5937, 68.8484,
121.2616

■ 13.0453, 15.5877,
36.0366

■ 80.6863, 91.0458,
154.1027

■ 7.5370, 9.2329,
24.1726

■ 104.7919,
117.5650, 192.3949

■ 3.8494, 4.8934,
15.2483

■ 133.2757,
148.7902, 236.5566

■ 1.6173, 2.1849,
8.8453

166.5032,
185.1060, 287.0064

■ 0.4036, 0.7117,
4.5450

204.8396,

■ 0.0000, 0.0000,

226.8966, 344.1629

1.9288

248.6504,
274.5465, 408.4446

■ 0.0000, 0.0000,
0.5110

■ 0.0000, 0.0000,
0.0000

■ 30.9858, 35.8810,
70.2583

■ 30.9858, 35.8810,
70.2583

■ 27.7480, 32.0834,
69.6966

■ 34.9250, 40.1733,
70.8799

■ 25.1519, 28.7452,
69.1891

■ 39.6116, 44.9840,
71.5614

■ 23.1330, 25.8316,
68.7332

■ 45.0913, 50.3397,
72.3063

■ 21.5945, 23.2903,
68.3237

■ 51.4053, 56.2636,
73.1170

■ 21.3608, 22.8900,
68.2588

■ 58.5916, 62.7774,
73.9955

■ 66.6857, 69.9016,
74.9440

■ 75.7210, 77.6553,
75.9644

■ 82.7988, 84.5460,
76.9214

■ 85.0825, 89.1134,
77.6827

Harmonies

Analogous

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



27.3915, 35.8810, 59.0779



30.9858, 35.8810, 70.2583



35.7643, 35.8810, 72.0712

Triad

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



30.9858, 35.8810, 70.2583



44.2354, 35.8810, 34.5725



28.4057, 35.8810, 21.8470

Complementary

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



30.9858, 35.8810, 70.2583



38.9696, 32.9468, 13.9796

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.



32.4956, 35.8810, 18.0846



30.9858, 35.8810, 70.2583



41.8319, 35.8810, 24.1795

Square

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



30.9858, 35.8810, 70.2583



43.7325, 35.8810, 49.0287



37.4243, 35.8810, 18.8218



26.0036, 35.8810, 30.5575

Rectangle

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



30.9858, 35.8810, 70.2583



39.0286, 35.8810, 67.3624



37.4243, 35.8810, 18.8218



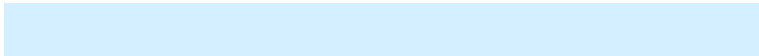
29.6118, 35.8810, 20.0687

Sweetspot

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



30.9870, 35.8823, 70.2592



76.0180, 82.9999, 106.6217



33.0835, 53.0103, 31.0807



15.8438, 17.3719, 22.7680



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.



30.9870, 35.8823, 70.2592



39.4477, 45.5318, 101.3171



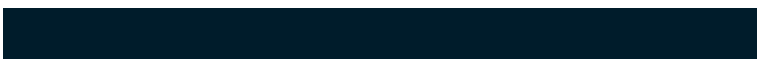
22.0703, 18.0489, 67.2869



12.3933, 13.3100, 15.8534



12.7493, 13.7604, 40.4372



0.8465, 0.9851, 2.4648

Inverse Universe

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



39.2318, 24.8147, 40.7535



53.1351, 30.2085, 51.6500



50.1542, 55.3160, 17.7078



12.7517, 12.5522, 14.6327



19.4941, 9.7340, 15.1720



1.2149, 0.6028, 1.1213

Previews

White Background



This preview shows how the XYZ color 30.9858, 35.8810, 70.2583 looks on a white background.

Color Contrast Check

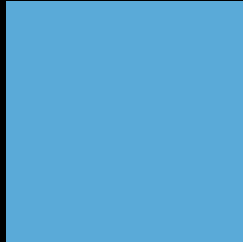
Large Text (above 18pt) WCAG AA × Fail

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 30.9858, 35.8810, 70.2583 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 30.9858, 35.8810, 70.2583

Background



This preview shows how black text looks on a background with the XYZ color 30.9858, 35.8810, 70.2583.

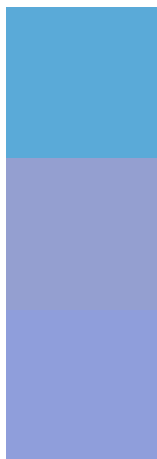


This preview shows how white text looks on a background with the XYZ color 30.9858, 35.8810,

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

30.9858, 35.8810, 70.2583

Protanopia

35.9960, 35.6462, 64.6577

Deuteranopia

36.3407, 35.4078, 71.9369



Tritanopia

27.7397, 35.9963, 53.6301

Trichromacy



Original Color

30.9858, 35.8810, 70.2583

Protanomaly

33.6075, 35.4096, 66.6914

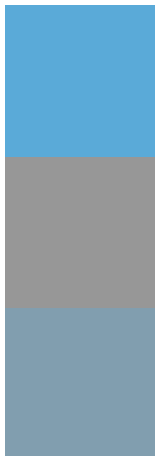
Deuteranomaly

33.8874, 35.1877, 71.3355

Tritanomaly

28.8197, 35.8497, 59.4336

Monochromacy



Original Color

30.9858, 35.8810, 70.2583

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0180, 32.2160, 45.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9858, 35.8810, 70.2583 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(90, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 170, 216)  
}
```

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(90, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 170, 216) }
```

Border

The CSS property to change the border of an element to XYZ 30.9858, 35.8810, 70.2583 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(90, 170, 216) }
```


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

```
.border{ border-color:rgb(90, 170, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 170, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 170,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9858, 35.8810, 70.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 170, 216) }
```

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

```
.background{ background-color: rgb(90, 170,  
216) }
```

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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