

Converting Colors

XYZ(30.9929, 35.3932, 79.4092)

Have a look what the booklet for
XYZ(30.9929, 35.3932, 79.4092)
contains.

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Color

**XYZ(31.0033, 35.4108,
79.3297)**

Conversions

Conversions Part 1

Format	Color
Hex	48A9E5
RGB	72, 169, 229
RGB Percent	28%, 66%, 90%
CMY	0.7176, 0.3372, 0.1020
CMYK	0.69, 0.26, 0.00, 0.10
HSL	203°, 75%, 59%
HSV	203°, 69%, 90%
XYZ	31.0033, 35.4108, 79.3297
YIQ	146.8370, -77.0720, -1.9040

Conversions

Conversions Part 2

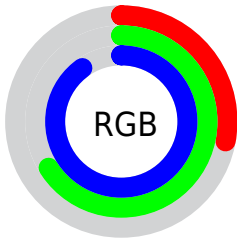
Format	Color
R_{YB}	72, 132, 229
Decimal	4762085
CIE Lab	66.07, -9.55, -38.47
CIE LCh	66, 39.638, 256.055
Yxy	35.4108, 0.2127, 0.2430
Android (android.graphics.Color)	4282952165 (0xFF48A9E5)
YUV	146.8370, 40.5064, -65.6320
Hunter-Lab	59.5070, -11.1382, -37.3856

Details

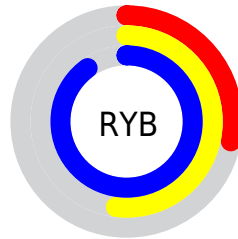
The XYZ color **31.0033, 35.4108, 79.3297** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **41.7358, 33.6309, 10.4242**, and the grayscale version is **27.5283, 28.9619, 31.5395**.

A 20% lighter version of the original color is **54.8590, 65.7655, 104.4104**, and **13.9041, 15.7397, 41.8404** is the 20% darker color. If you saturate the color by 10%, you get **28.0291, 31.5414, 78.7403**, and if you desaturate by 10%, it is **34.7244, 39.8283, 79.9869**.

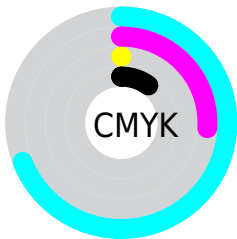
Distribution



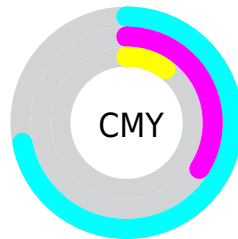
- Red (28%)
- Green (66%)
- Blue (90%)



- Red (28%)
- Yellow (52%)
- Blue (90%)



- Cyan (69%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)



- Cyan (72%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0033, 35.4108, 79.3297 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 31.0033, 35.4108, 79.3297 by changing the saturation by 10% instead.

■ 31.0033, 35.4108,
79.3297

■ 31.0033, 35.4108,
79.3297

298.3801,
326.3779, 512.3181

■ 20.7532, 23.9795,
58.6440

■ 60.6211, 68.1217,
134.2258

■ 13.0552, 15.3184,
41.9085

■ 80.7195, 90.1700,
169.2732

■ 7.5438, 9.0432,
28.7046

■ 104.8313,
116.5262, 209.9451

■ 3.8538, 4.7693,
18.6138

■ 133.3220,
147.5746, 256.6597

■ 1.6197, 2.1126,
11.2176

166.5569,
183.6995, 309.8358

■ 0.4052, 0.6717,
6.0974

204.9013,

■ 0.0000, 0.0000,

225.2854, 369.8919

2.8346

248.7206,
272.7168, 437.2465

■ 0.0000, 0.0000,
1.0108

■ 0.0000, 0.0000,
0.0000

■ 31.0033, 35.4108,
79.3297

■ 31.0033, 35.4108,
79.3297

■ 28.0291, 31.5414,
78.7403

■ 34.7244, 39.8283,
79.9869

■ 25.7213, 28.1735,
78.2119

■ 39.2541, 44.8269,
80.7130

■ 23.9689, 25.2474,
77.7394

■ 44.6512, 50.4404,
81.5121

■ 23.7391, 24.8493,
77.6747

■ 50.9676, 56.6987,
82.3872

■ 58.2512, 63.6291,
83.3410

■ 66.5460, 71.2570,
84.3761

■ 75.8933, 79.6066,
85.4951

■ 86.2547, 88.6605,
86.6966

■ 88.8796, 93.9104,
87.5716

Harmonies

Analogous

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



26.3999, 35.4108, 66.9092



31.0033, 35.4108, 79.3297



36.8840, 35.4108, 78.8310

Triad

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



31.0033, 35.4108, 79.3297



45.7427, 35.4108, 30.2711



26.1501, 35.4108, 20.1579

Complementary

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



31.0033, 35.4108, 79.3297



41.7358, 33.6309, 10.4242

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.



30.6237, 35.4108, 15.0478



31.0033, 35.4108, 79.3297



42.1350, 35.4108, 19.6151

Square

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



31.0033, 35.4108, 79.3297



45.8752, 35.4108, 46.9040



36.4578, 35.4108, 14.8834



23.8270, 35.4108, 31.2629

Rectangle

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



31.0033, 35.4108, 79.3297



40.7649, 35.4108, 71.1335



36.4578, 35.4108, 14.8834



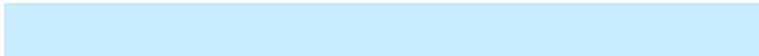
27.4272, 35.4108, 17.8450

Sweetspot

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



31.0046, 35.4120, 79.3306



71.8337, 78.8503, 106.0413



34.6934, 59.0175, 30.5321



14.8150, 16.3460, 22.6242



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.



31.0046, 35.4120, 79.3306



34.5190, 38.4921, 100.2181



20.7254, 14.8537, 75.9042



14.3206, 15.3626, 18.3548



13.6925, 14.4471, 44.4501



1.1009, 1.2458, 3.3144

Inverse Universe

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



41.7930, 24.1588, 39.9976



49.9595, 26.3047, 43.0461



56.0561, 62.2715, 15.1976



14.7494, 14.5170, 16.8808



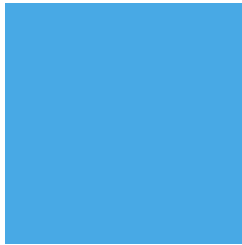
21.3049, 10.6562, 15.7662



1.6193, 0.8054, 1.4019

Previews

White Background



This preview shows how the XYZ color 31.0033, 35.4108, 79.3297 looks on a white background.

Color Contrast Check

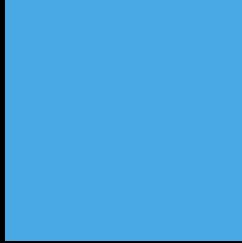
Large Text (above 18pt) WCAG AA × Fail

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 31.0033, 35.4108, 79.3297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

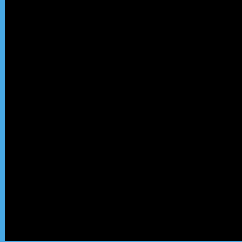
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

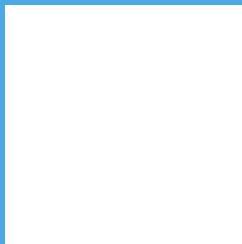
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0033, 35.4108, 79.3297

Background



This preview shows how black text looks on a background with the XYZ color 31.0033, 35.4108, 79.3297.

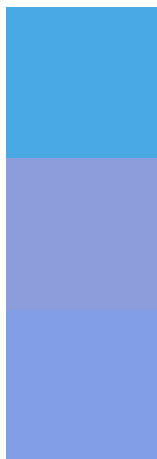


This preview shows how white text looks on a background with the XYZ color 31.0033, 35.4108,

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

31.0033, 35.4108, 79.3297

Protanopia

35.9597, 34.9440, 72.5597

Deuteranopia

35.8566, 34.9691, 80.4612



Tritanopia

25.9463, 35.3492, 54.1708

Trichromacy



Original Color

31.0033, 35.4108, 79.3297

Protanomaly

33.2666, 34.5305, 74.7237

Deuteranomaly

33.5099, 34.8050, 79.8148

Tritanomaly

27.4182, 35.0590, 62.4487

Monochromacy



Original Color

31.0033, 35.4108, 79.3297

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4029, 30.6101, 46.0590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0033, 35.4108, 79.3297 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(72, 169, 229)` looks like.

```
.text, #text, p{  
    color:rgb(72, 169, 229)  
}
```

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(72, 169, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 169, 229) }
```

Border

The CSS property to change the border of an element to XYZ 31.0033, 35.4108, 79.3297 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(72, 169, 229) }
```


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

```
.border{ border-color:rgb(72, 169, 229) }
```

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

Here you see how a box with a 4 pixel rgb(72, 169, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 169, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 169, 229);  
box-shadow:4px 4px 4px 4px rgb(72, 169,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0033, 35.4108, 79.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 169, 229) }
```

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

```
.background{ background-color: rgb(72, 169,  
229) }
```

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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