

Converting Colors

XYZ(31.3422, 34.3836, 76.6864)

Have a look what the booklet for
XYZ(31.3422, 34.3836, 76.6864)
contains.

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Color

**XYZ(31.3173, 34.2661,
76.9149)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA4E2
RGB	91, 164, 226
RGB Percent	36%, 64%, 89%
CMY	0.6431, 0.3569, 0.1137
CMYK	0.60, 0.27, 0.00, 0.11
HSL	208°, 70%, 62%
HSV	208°, 60%, 89%
XYZ	31.3173, 34.2661, 76.9149
YIQ	149.2410, -63.4100, 3.8060

Conversions

Conversions Part 2

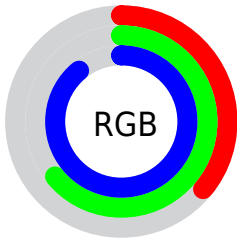
Format	Color
R _Y B	91, 138, 226
Decimal	6005986
CIE Lab	65.17, -4.54, -38.17
CIE LCh	65, 38.436, 263.215
Yxy	34.2661, 0.2198, 0.2405
Android (android.graphics.Color)	4284196066 (0xFF5BA4E2)
YUV	149.2410, 37.8422, -51.0774
Hunter-Lab	58.5373, -6.9431, -36.9279

Details

The XYZ color **31.3173, 34.2661, 76.9149** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **44.6450, 39.7085, 15.2105**, and the grayscale version is **28.5345, 30.0205, 32.6924**.

A 20% lighter version of the original color is **56.1440, 64.4623, 104.0911**, and **13.2484, 14.7577, 40.1805** is the 20% darker color. If you saturate the color by 10%, you get **27.6334, 29.7216, 76.2326**, and if you desaturate by 10%, it is **35.8259, 39.4620, 77.6809**.

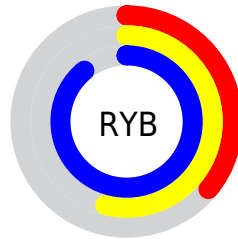
Distribution



Red (36%)

Green (64%)

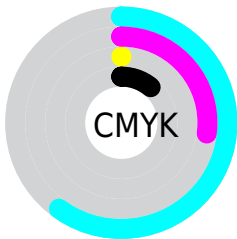
Blue (89%)



Red (36%)

Yellow (54%)

Blue (89%)

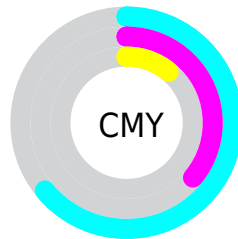


Cyan (60%)

Magenta (27%)

Yellow (0%)

Black (11%)



Cyan (64%)

Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3173, 34.2661, 76.9149 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 31.3173, 34.2661, 76.9149 by changing the saturation by 10% instead.

■ 31.3173, 34.2661,
76.9149

■ 31.3173, 34.2661,
76.9149

299.7983,
321.3170, 503.9038

■ 20.9936, 23.0981,
56.6719

■ 61.1117, 66.3473,
130.7913

■ 13.2318, 14.6660,
40.3343

■ 81.3132, 88.0292,
165.2617

■ 7.6664, 8.5853,
27.4835

■ 105.5379,
113.9846, 205.3117

■ 3.9323, 4.4717,
17.7010

■ 134.1513,
144.5978, 251.3597

■ 1.6639, 1.9408,
10.5683

167.5186,
180.2533, 303.8245

■ 0.4335, 0.5727,
5.6669

206.0054,

■ 0.0000, 0.0000,

221.3354, 363.1243

2.5781

249.9768,
268.2285, 429.6779

■ 0.0000, 0.0000,
0.8811

■ 0.0000, 0.0000,
0.0000

■ 31.3173, 34.2661,
76.9149

■ 31.3173, 34.2661,
76.9149

■ 27.6334, 29.7216,
76.2326

■ 35.8259, 39.4620,
77.6809

■ 24.7047, 25.7855,
75.6272

■ 41.2136, 45.3408,
78.5316

■ 22.4546, 22.4135,
75.0949

■ 47.5341, 51.9356,
79.4714

■ 20.7544, 19.5333,
74.6286

■ 54.8352, 59.2761,
80.5035

■ 20.7125, 19.4608,
74.6168

■ 63.1616, 67.3898,
81.6307

■ 72.5547, 76.3029,
82.8560

■ 83.0539, 86.0399,
84.1821

■ 88.2401, 93.2960,
85.3093

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



26.5552, 34.2661, 67.7408



31.3173, 34.2661, 76.9149



36.9857, 34.2661, 73.2904

Triad

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



31.3173, 34.2661, 76.9149



43.4625, 34.2661, 26.4572



24.7068, 34.2661, 21.7641

Complementary

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



31.3173, 34.2661, 76.9149



44.6450, 39.7085, 15.2105

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.



28.5185, 34.2661, 15.5899



31.3173, 34.2661, 76.9149



39.4281, 34.2661, 17.7089

Square

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



31.3173, 34.2661, 76.9149



44.4319, 34.2661, 41.0605



33.8534, 34.2661, 14.3533



23.0311, 34.2661, 33.7951

Rectangle

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



31.3173, 34.2661, 76.9149



40.4852, 34.2661, 64.4952



33.8534, 34.2661, 14.3533



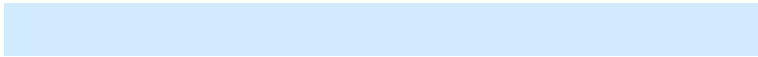
25.7583, 34.2661, 19.0922

Sweetspot

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



31.3185, 34.2673, 76.9157



73.7727, 79.5898, 106.0819



37.1590, 58.8766, 39.0061



15.1455, 16.3979, 22.6168



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.



31.3185, 34.2673, 76.9157



35.1802, 37.5793, 100.0071



22.3875, 16.4053, 73.9388



13.5630, 14.4651, 17.4649



11.9365, 11.3426, 42.6086



0.9166, 0.9647, 2.9831

Inverse Universe

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



41.8070, 26.3326, 38.0023



50.8388, 28.7456, 41.2366



58.6500, 67.7185, 19.8788



14.0156, 13.8239, 15.8525



19.9652, 10.0531, 11.7485



1.4289, 0.7148, 1.0516

Previews

White Background



This preview shows how the XYZ color 31.3173, 34.2661, 76.9149 looks on a white background.

Color Contrast Check

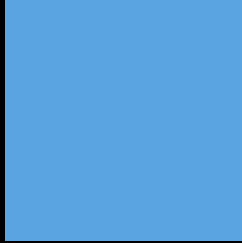
Large Text (above 18pt) WCAG AA × Fail

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 31.3173, 34.2661, 76.9149 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

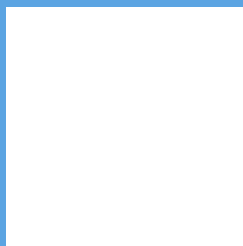
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3173, 34.2661, 76.9149

Background



This preview shows how black text looks on a background with the XYZ color 31.3173, 34.2661, 76.9149.

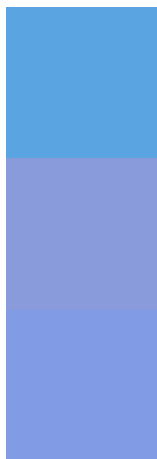


This preview shows how white text looks on a background with the XYZ color 31.3173, 34.2661,

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

31.3173, 34.2661, 76.9149

Protanopia

34.9888, 33.9604, 71.7287

Deuteranopia

34.9453, 34.0455, 78.1284



Tritanopia

26.3631, 34.4667, 51.7176

Trichromacy



Original Color

31.3173, 34.2661, 76.9149

Protanomaly

33.2968, 33.7926, 73.8749

Deuteranomaly

33.3335, 33.9872, 77.4764

Tritanomaly

28.0388, 34.2985, 60.4008

Monochromacy



Original Color

31.3173, 34.2661, 76.9149

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3935, 30.8747, 46.0579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3173, 34.2661, 76.9149 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(91, 164, 226)` looks like.

```
.text, #text, p{  
    color:rgb(91, 164, 226)  
}
```

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(91, 164, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 164, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.3173, 34.2661, 76.9149 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(91, 164, 226) }
```


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

```
.border{ border-color:rgb(91, 164, 226) }
```

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

Here you see how a box with a 4 pixel rgb(91, 164, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(91, 164,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3173, 34.2661, 76.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 164, 226) }
```

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

```
.background{ background-color: rgb(91, 164,  
226) }
```

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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