

Converting Colors

XYZ(31.8680, 34.8005, 76.4689)

Have a look what the booklet for
XYZ(31.8680, 34.8005, 76.4689)
contains.

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Color

**XYZ(31.8696, 34.8333,
76.2780)**

Conversions

Conversions Part 1

Format	Color
Hex	60A5E1
RGB	96, 165, 225
RGB Percent	38%, 65%, 88%
CMY	0.6235, 0.3529, 0.1176
CMYK	0.57, 0.27, 0.00, 0.12
HSL	208°, 68%, 63%
HSV	208°, 57%, 88%
XYZ	31.8696, 34.8333, 76.2780
YIQ	151.2090, -60.3840, 4.0320

Conversions

Conversions Part 2

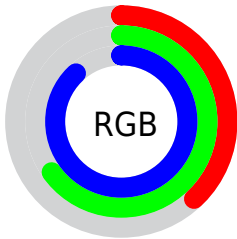
Format	Color
R _Y B	96, 141, 225
Decimal	6333921
CIE Lab	65.62, -4.44, -36.91
CIE LCh	66, 37.172, 263.136
Yxy	34.8333, 0.2229, 0.2436
Android (android.graphics.Color)	4284524001 (0xFF60A5E1)
YUV	151.2090, 36.3790, -48.4183
Hunter-Lab	59.0197, -6.8978, -35.3135

Details

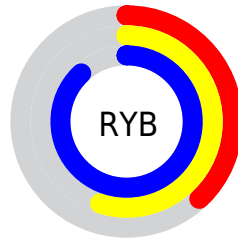
The XYZ color **31.8696, 34.8333, 76.2780** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.0526, 40.6310, 16.5359**, and the grayscale version is **29.3737, 30.9034, 33.6538**.

A 20% lighter version of the original color is **57.1608, 65.3750, 104.2137**, and **13.4675, 14.8815, 39.6987** is the 20% darker color. If you saturate the color by 10%, you get **28.0213, 30.1615, 75.5798**, and if you desaturate by 10%, it is **36.5521, 40.1657, 77.0611**.

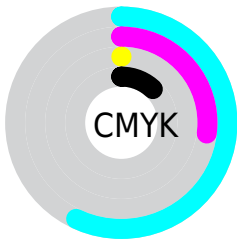
Distribution



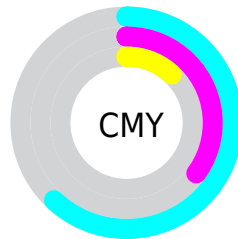
- Red (38%)
- Green (65%)
- Blue (88%)



- Red (38%)
- Yellow (55%)
- Blue (88%)



- Cyan (57%)
- Magenta (27%)
- Yellow (0%)
- Black (12%)



- Cyan (62%)
- Magenta (35%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8696, 34.8333, 76.2780 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 31.8696, 34.8333, 76.2780 by changing the saturation by 10% instead.

■ 31.8696, 34.8333,
76.2780

■ 31.8696, 34.8333,
76.2780

302.2807,
323.8319, 501.6710

■ 21.4170, 23.5345,
56.1525

■ 61.9732, 67.2274,
129.8835

■ 13.5433, 14.9887,
39.9204

■ 82.3549, 89.0916,
164.2005

■ 7.8833, 8.8114,
27.1631

■ 106.7769,
115.2463, 204.0851

■ 4.0715, 4.6184,
17.4623

■ 135.6047,
146.0759, 249.9559

■ 1.7427, 2.0251,
10.3992

169.2037,
181.9649, 302.2313

■ 0.4828, 0.6220,
5.5554

207.9391,

■ 0.0000, 0.0000,

223.2976, 361.3299

2.5123

252.1763,
270.4585, 427.6703

■ 0.0000, 0.0000,
0.8467

■ 0.0000, 0.0000,
0.0000

■ 31.8696, 34.8333,
76.2780

■ 31.8696, 34.8333,
76.2780

■ 28.0213, 30.1615,
75.5798

■ 36.5521, 40.1657,
77.0611

■ 24.9404, 26.1085,
74.9598

■ 42.1212, 46.1892,
77.9303

■ 22.5544, 22.6319,
74.4145

■ 48.6289, 52.9362,
78.8896

■ 20.7664, 19.6760,
73.9382

■ 56.1219, 60.4359,
79.9422

■ 20.3491, 18.9530,
73.8207

■ 64.6437, 68.7153,
81.0912

■ 74.2349, 77.8002,
82.3392

■ 84.9338, 87.7147,
83.6890

■ 88.6216, 94.2779,
84.7615

■ 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



27.2028, 34.8333, 67.4142



31.8696, 34.8333, 76.2780



37.4051, 34.8333, 72.8232

Triad

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



31.8696, 34.8333, 76.2780



43.7266, 34.8333, 27.3013



25.4014, 34.8333, 22.6031

Complementary

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



31.8696, 34.8333, 76.2780



45.0526, 40.6310, 16.5359

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.



29.1533, 34.8333, 16.4590



31.8696, 34.8333, 76.2780



39.8114, 34.8333, 18.6049

Square

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



31.8696, 34.8333, 76.2780



44.6587, 34.8333, 41.6340



34.3781, 34.8333, 15.2289



23.7434, 34.8333, 34.4479

Rectangle

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



31.8696, 34.8333, 76.2780



40.8144, 34.8333, 64.3595



34.3781, 34.8333, 15.2289



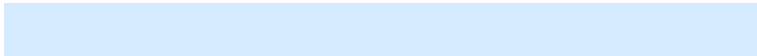
26.4383, 34.8333, 19.9510

Sweetspot

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



31.8708, 34.8345, 76.2789



74.7622, 80.4884, 106.2032



37.5872, 58.6730, 39.9394



15.5468, 16.7779, 22.6690



0.0000, 0.0000, 0.0000



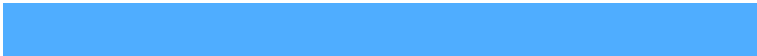
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8708, 34.8345, 76.2789



36.2531, 38.8334, 100.1926



23.2116, 17.5161, 73.3924



13.5561, 14.4514, 17.4626



11.8441, 11.1578, 42.5778



0.9103, 0.9522, 2.9810

Inverse Universe

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



42.0268, 27.0913, 38.6125



51.5980, 29.8826, 42.6654



58.3779, 67.2816, 20.9776



14.0122, 13.8225, 15.8342



19.9186, 10.0344, 11.5029



1.4258, 0.7136, 1.0349

Previews

White Background



This preview shows how the XYZ color 31.8696, 34.8333, 76.2780 looks on a white background.

Color Contrast Check

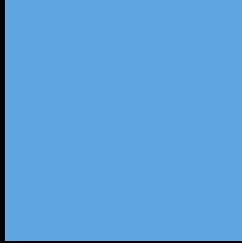
Large Text (above 18pt) WCAG AA × Fail

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 31.8696, 34.8333, 76.2780 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 31.8696, 34.8333, 76.2780

Background



This preview shows how black text looks on a background with the XYZ color 31.8696, 34.8333, 76.2780.

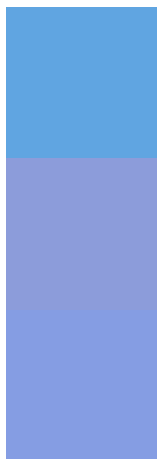


This preview shows how white text looks on a background with the XYZ color 31.8696, 34.8333,

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

31.8696, 34.8333, 76.2780

Protanopia

35.3586, 34.4143, 71.1087

Deuteranopia

35.5950, 34.6465, 77.4844



Tritanopia

26.9237, 34.7557, 51.7439

Trichromacy



Original Color

31.8696, 34.8333, 76.2780

Protanomaly

33.7615, 34.3018, 73.2481

Deuteranomaly

34.0440, 34.6257, 76.8406

Tritanomaly

28.4510, 34.5245, 59.8079

Monochromacy



Original Color

31.8696, 34.8333, 76.2780

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2844, 31.8166, 46.7172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8696, 34.8333, 76.2780 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(96, 165, 225) looks like.

```
.text, #text, p{  
    color:rgb(96, 165, 225)  
}
```

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(96, 165, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 165, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.8696, 34.8333, 76.2780 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(96, 165, 225) }
```


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

```
.border{ border-color:rgb(96, 165, 225) }
```

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

Here you see how a box with a 4 pixel rgb(96, 165, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 165, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 165, 225);  
box-shadow:4px 4px 4px 4px rgb(96, 165,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8696, 34.8333, 76.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 165, 225) }
```

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

```
.background{ background-color: rgb(96, 165,  
225) }
```

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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