

Converting Colors

XYZ(34.1268, 36.5054, 84.9797)

Have a look what the booklet for
XYZ(34.1268, 36.5054, 84.9797)
contains.

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Color

**XYZ(34.1800, 36.6581,
84.6311)**

Conversions

Conversions Part 1

Format	Color
Hex	62A8EC
RGB	98, 168, 236
RGB Percent	38%, 66%, 93%
CMY	0.6157, 0.3412, 0.0745
CMYK	0.58, 0.29, 0.00, 0.07
HSL	210°, 78%, 65%
HSV	210°, 58%, 93%
XYZ	34.1800, 36.6581, 84.6311
YIQ	154.8220, -63.5480, 6.3080

Conversions

Conversions Part 2

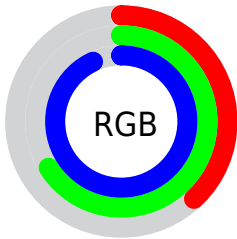
Format	Color
R _Y B	98, 144, 236
Decimal	6465772
CIE Lab	67.02, -2.28, -40.75
CIE LCh	67, 40.814, 266.794
Yxy	36.6581, 0.2199, 0.2358
Android (android.graphics.Color)	4284655852 (0xFF62A8EC)
YUV	154.8220, 40.0208, -49.8329
Hunter-Lab	60.5459, -5.1868, -40.4934

Details

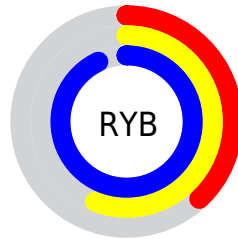
The XYZ color **34.1800, 36.6581, 84.6311** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.4346, 45.9896, 17.7758**, and the grayscale version is **30.9274, 32.5380, 35.4339**.

A 20% lighter version of the original color is **58.5382, 67.2645, 104.5058**, and **14.8370, 15.9682, 45.4802** is the 20% darker color. If you saturate the color by 10%, you get **29.9471, 31.4306, 83.8459**, and if you desaturate by 10%, it is **39.3580, 42.6592, 85.5172**.

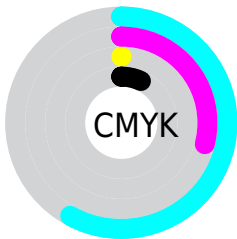
Distribution



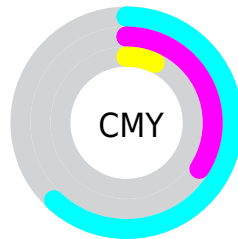
- Red (38%)
- Green (66%)
- Blue (93%)



- Red (38%)
- Yellow (56%)
- Blue (93%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



- Cyan (62%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1800, 36.6581, 84.6311 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 34.1800, 36.6581, 84.6311 by changing the saturation by 10% instead.

■ 34.1800, 36.6581,
84.6311

■ 34.1800, 36.6581,
84.6311

312.5057,
331.8279, 530.5193

■ 23.1955, 24.9429,
62.9882

■ 65.5559, 70.0466,
141.7272

■ 14.8594, 16.0345,
45.3907

■ 86.6780, 92.4887,
178.0176

■ 8.8064, 9.5486,
31.4201

■ 111.9100,
119.2752, 220.0275

■ 4.6712, 5.1007,
20.6578

■ 141.6172,
150.7906, 268.1755

■ 2.0884, 2.3065,
12.6853

176.1650,
187.4191, 322.8801

■ 0.6829, 0.7771,
7.0840

215.9188,

■ 0.0000, 0.0000,

229.5452, 384.5599

3.4355

261.2439,
277.5534, 453.6335

■ 0.0000, 0.0000,
1.3211

■ 0.0000, 0.0000,
0.0790

■ 34.1800, 36.6581,
84.6311

■ 34.1800, 36.6581,
84.6311

■ 29.9471, 31.4306,
83.8459

■ 39.3580, 42.6592,
85.5172

■ 26.5823, 26.9275,
83.1541

■ 45.5419, 49.4703,
86.5060

■ 24.0011, 23.0984,
82.5510

■ 52.7915, 57.1300,
87.6024

■ 22.0821, 19.8724,
82.0295

■ 61.1604, 65.6726,
88.8102

■ 21.8218, 19.4189,
81.9557

■ 70.6986, 75.1301,
90.1329

■ 81.4527, 85.5330,
91.5741

■ 90.3823, 95.3198,
92.9925

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



28.7127, 36.6581, 75.8408



34.1800, 36.6581, 84.6311



40.4978, 36.6581, 78.8077

Triad

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



34.1800, 36.6581, 84.6311



46.6046, 36.6581, 26.4164



25.7888, 36.6581, 23.9837

Complementary

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



34.1800, 36.6581, 84.6311



50.4346, 45.9896, 17.7758

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.



29.7397, 36.6581, 16.5359



34.1800, 36.6581, 84.6311



41.7878, 36.6581, 17.6198

Square

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



34.1800, 36.6581, 84.6311



48.1528, 36.6581, 41.8543



35.5134, 36.6581, 14.6084



24.2431, 36.6581, 38.0354

Rectangle

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



34.1800, 36.6581, 84.6311



44.2749, 36.6581, 68.1500



35.5134, 36.6581, 14.6084



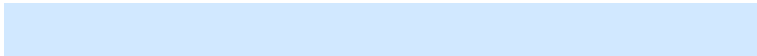
26.8549, 36.6581, 20.8053

Sweetspot

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



34.1813, 36.6594, 84.6320



73.3371, 78.7184, 105.9366



41.7982, 65.2944, 45.8564



15.0394, 16.1855, 22.5814



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.



34.1813, 36.6594, 84.6320



34.8966, 36.4296, 99.8001



24.7650, 17.8267, 81.4932



14.8628, 15.8120, 19.1909



12.1585, 10.9639, 45.2184



1.0510, 1.0535, 3.5828

Inverse Universe

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



46.0289, 29.3970, 40.2951



50.8379, 29.2896, 39.5532



66.1351, 77.3906, 23.0093



15.3843, 15.1816, 17.3089



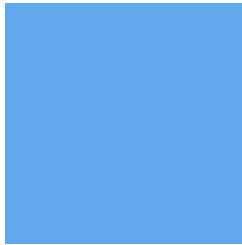
20.9923, 10.5996, 11.0269



1.6970, 0.8518, 1.1218

Previews

White Background



This preview shows how the XYZ color 34.1800, 36.6581, 84.6311 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 34.1800, 36.6581, 84.6311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

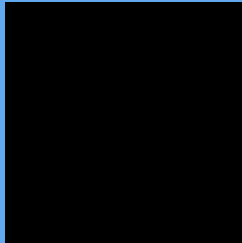
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1800, 36.6581, 84.6311

Background



This preview shows how black text looks on a background with the XYZ color 34.1800, 36.6581, 84.6311.



This preview shows how white text looks on a background with the XYZ color 34.1800, 36.6581,

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

34.1800, 36.6581, 84.6311

Protanopia

37.6982, 36.4615, 79.1796

Deuteranopia

37.5376, 36.4881, 85.9534



Tritanopia

28.3506, 36.8681, 54.9122

Trichromacy



Original Color

34.1800, 36.6581, 84.6311

Protanomaly

36.1201, 36.3806, 81.4623

Deuteranomaly

36.1693, 36.5873, 85.2765

Tritanomaly

30.2363, 36.7555, 64.5324

Monochromacy



Original Color

34.1800, 36.6581, 84.6311

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0541, 33.6706, 50.2098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1800, 36.6581, 84.6311 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(98, 168, 236)` looks like.

```
.text, #text, p{  
    color:rgb(98, 168, 236)  
}
```

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(98, 168, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 168, 236) }
```

Border

The CSS property to change the border of an element to XYZ 34.1800, 36.6581, 84.6311 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(98, 168, 236) }
```


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

```
.border{ border-color:rgb(98, 168, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 168, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 168, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 168, 236);  
box-shadow:4px 4px 4px 4px rgb(98, 168,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1800, 36.6581, 84.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 168, 236) }
```

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

```
.background{ background-color: rgb(98, 168,  
236) }
```

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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