

Converting Colors

XYZ(34.5981, 38.2704, 84.9203)

Have a look what the booklet for
XYZ(34.5981, 38.2704, 84.9203)
contains.

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Color

**XYZ(34.5981, 38.2704,
84.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	5DADEC
RGB	93, 173, 236
RGB Percent	36%, 68%, 93%
CMY	0.6353, 0.3216, 0.0745
CMYK	0.61, 0.27, 0.00, 0.07
HSL	206°, 79%, 65%
HSV	206°, 61%, 93%
XYZ	34.5981, 38.2704, 84.9203
YIQ	156.2620, -67.9030, 2.6330

Conversions

Conversions Part 2

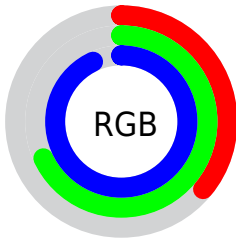
Format	Color
R _Y B	93, 144, 236
Decimal	6139372
CIE Lab	68.22, -6.01, -38.89
CIE LCh	68, 39.353, 261.216
Yxy	38.2704, 0.2193, 0.2425
Android (android.graphics.Color)	4284329452 (0xFF5DADEC)
YUV	156.2620, 39.3108, -55.4808
Hunter-Lab	61.8631, -8.4309, -38.0841

Details

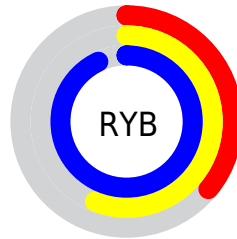
The XYZ color **34.5981, 38.2704, 84.9203** is a light color, and the websafe version is hex **6699CC**, and the color name is **blue jeans**. The color can be described as light muted azure. A complement of this color would be **48.4581, 42.4026, 15.9882**, and the grayscale version is **31.5700, 33.2141, 36.1701**.

A 20% lighter version of the original color is **59.1198, 69.5768, 104.9215**, and **15.1257, 16.9958, 45.6633** is the 20% darker color. If you saturate the color by 10%, you get **30.6508, 33.3906, 84.1872**, and if you desaturate by 10%, it is **39.4401, 43.8431, 85.7415**.

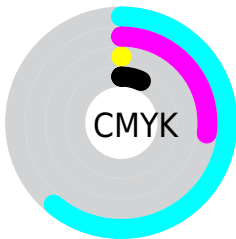
Distribution



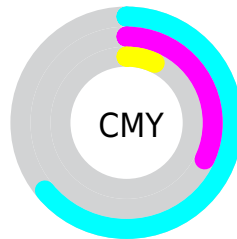
- Red (36%)
- Green (68%)
- Blue (93%)



- Red (36%)
- Yellow (56%)
- Blue (93%)



- Cyan (61%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (64%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5981, 38.2704, 84.9203 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 34.5981, 38.2704, 84.9203 by changing the saturation by 10% instead.

■ 34.5981, 38.2704,
84.9203

■ 34.5981, 38.2704,
84.9203

314.3300,
338.7785, 531.5020

■ 23.5185, 26.1926,
63.2258

■ 66.2008, 72.5224,
142.1350

■ 15.0996, 16.9678,
45.5817

■ 87.4547, 95.4654,
178.4922

■ 8.9761, 10.2115,
31.5696

■ 112.8307,
122.7990, 220.5741

■ 4.7826, 5.5394,
20.7709

■ 142.6941,
154.9074, 268.7992

■ 2.1537, 2.5671,
12.7670

177.4104,
192.1752, 323.5859

■ 0.7182, 0.9102,
7.1395

217.3449,

■ 0.0000, 0.0000,

234.9867, 385.3530

3.4697

262.8630,
283.7264, 454.5188

■ 0.0000, 0.0000,
1.3392

■ 0.0000, 0.0000,
0.0936

■ 34.5981, 38.2704,
84.9203

■ 34.5981, 38.2704,
84.9203

■ 30.6508, 33.3906,
84.1872

■ 39.4401, 43.8431,
85.7415

■ 27.5204, 29.1564,
83.5349

■ 45.2375, 50.1431,
86.6520

■ 25.1206, 25.5185,
82.9592

■ 52.0499, 57.2067,
87.6563

■ 23.3952, 22.5657,
82.4802

■ 59.9308, 65.0661,
88.7580

■ 68.9293, 73.7513,
89.9601

■ 79.0916, 83.2905,
91.2658

■ 89.2709, 93.0970,
92.6221

■ 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.



29.4567, 38.2704, 74.0515



34.5981, 38.2704, 84.9203



40.8260, 38.2704, 81.9044

Triad

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



34.5981, 38.2704, 84.9203



48.5548, 38.2704, 30.5726



27.9107, 38.2704, 23.8471

Complementary

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



34.5981, 38.2704, 84.9203



48.4581, 42.4026, 15.9882

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.



32.2596, 38.2704, 17.3942



34.5981, 38.2704, 84.9203



44.2994, 38.2704, 20.4469

Square

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



34.5981, 38.2704, 84.9203



49.3631, 38.2704, 47.0607



38.2114, 38.2704, 16.3550



25.8917, 38.2704, 36.7074

Rectangle

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



34.5981, 38.2704, 84.9203



44.7395, 38.2704, 72.7037



38.2114, 38.2704, 16.3550



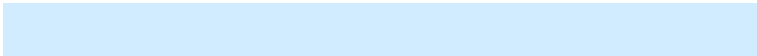
29.1238, 38.2704, 21.0273

Sweetspot

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



34.5995, 38.2717, 84.9212



74.0175, 80.0794, 106.1635



40.4247, 64.6846, 41.3526



15.2053, 16.5173, 22.6367



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.



34.5995, 38.2717, 84.9212



35.4348, 38.3621, 100.1448



24.4601, 17.9931, 81.5415



14.9302, 15.9468, 19.2134



13.0270, 12.7010, 45.5079



1.1185, 1.1885, 3.6053

Inverse Universe

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



46.0505, 28.6803, 42.6450



50.9005, 28.5145, 42.3499



63.8924, 73.2711, 21.1330



15.4183, 15.1952, 17.4882



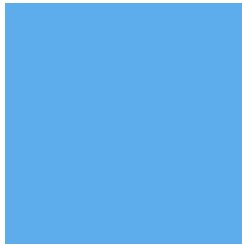
21.4307, 10.7750, 13.3354



1.7311, 0.8654, 1.3012

Previews

White Background



This preview shows how the XYZ color 34.5981, 38.2704, 84.9203 looks on a white background.

Color Contrast Check

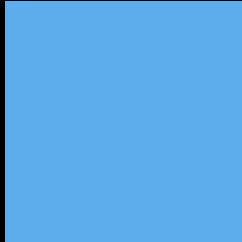
Large Text (above 18pt) WCAG AA × Fail

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 34.5981, 38.2704, 84.9203 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

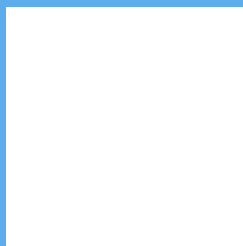
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5981, 38.2704, 84.9203

Background



This preview shows how black text looks on a background with the XYZ color 34.5981, 38.2704, 84.9203.



This preview shows how white text looks on a background with the XYZ color 34.5981, 38.2704,

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

34.5981, 38.2704, 84.9203

Protanopia

38.9548, 37.9068, 78.6624

Deuteranopia

39.0246, 38.0423, 86.1750



Tritanopia

29.1982, 38.4437, 57.5112

Trichromacy



Original Color

34.5981, 38.2704, 84.9203

Protanomaly

36.9949, 37.9190, 80.9706

Deuteranomaly

36.9899, 37.8168, 85.4706

Tritanomaly

30.9466, 38.2433, 66.7234

Monochromacy



Original Color

34.5981, 38.2704, 84.9203

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3502, 34.3300, 50.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5981, 38.2704, 84.9203 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(93, 173, 236)` looks like.

```
.text, #text, p{  
    color:rgb(93, 173, 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(93, 173, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 173, 236) }
```

Border

The CSS property to change the border of an element to XYZ 34.5981, 38.2704, 84.9203 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(93, 173, 236) }
```


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

```
.border{ border-color:rgb(93, 173, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 173, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 173, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 173, 236);  
box-shadow:4px 4px 4px 4px rgb(93, 173,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5981, 38.2704, 84.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 173, 236) }
```

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

```
.background{ background-color: rgb(93, 173,  
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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