

Converting Colors

XYZ(33.4643, 35.6959, 83.7245)

Have a look what the booklet for
XYZ(33.4643, 35.6959, 83.7245)
contains.

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Color

**XYZ(33.5614, 35.8120,
83.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	61A6EB
RGB	97, 166, 235
RGB Percent	38%, 65%, 92%
CMY	0.6196, 0.3490, 0.0784
CMYK	0.59, 0.29, 0.00, 0.08
HSL	210°, 78%, 65%
HSV	210°, 59%, 92%
XYZ	33.5614, 35.8120, 83.7408
YIQ	153.2350, -63.2730, 6.8310

Conversions

Conversions Part 2

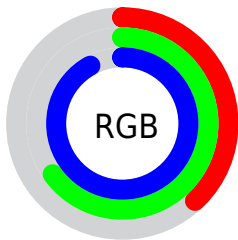
Format	Color
R _{YB}	97, 143, 235
Decimal	6399723
CIE Lab	66.38, -1.67, -41.21
CIE LCh	66, 41.247, 267.685
Yxy	35.8120, 0.2192, 0.2339
Android (android.graphics.Color)	4284589803 (0xFF61A6EB)
YUV	153.2350, 40.3101, -49.3181
Hunter-Lab	59.8431, -4.6186, -41.0766

Details

The XYZ color **33.5614, 35.8120, 83.7408** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.0566, 45.8001, 17.5131**, and the grayscale version is **30.2316, 31.8060, 34.6367**.

A 20% lighter version of the original color is **57.8111, 66.1010, 104.3195**, and **14.4633, 15.4487, 44.8674** is the 20% darker color. If you saturate the color by 10%, you get **29.3790, 30.6290, 82.9615**, and if you desaturate by 10%, it is **38.6830, 41.7701, 84.6216**.

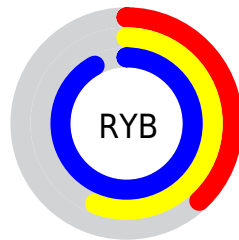
Distribution



Red (38%)

Green (65%)

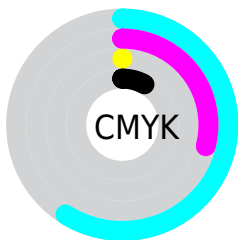
Blue (92%)



Red (38%)

Yellow (56%)

Blue (92%)

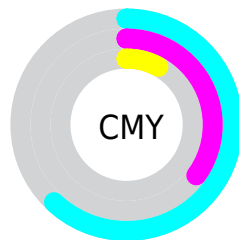


Cyan (59%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (62%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5614, 35.8120, 83.7408 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 33.5614, 35.8120, 83.7408 by changing the saturation by 10% instead.

■ 33.5614, 35.8120,
83.7408

■ 33.5614, 35.8120,
83.7408

309.7923,
328.1381, 527.4876

■ 22.7181, 24.2890,
62.2573

■ 64.5999, 68.7418,
140.4710

■ 14.5051, 15.5482,
44.8035

■ 85.5258, 90.9174,
176.5548

■ 8.5568, 9.2050,
30.9609

■ 110.5433,
117.4127, 218.3425

■ 4.5080, 4.8751,
20.3108

■ 140.0178,
148.6121, 266.2526

■ 1.9934, 2.1742,
12.4349

174.3146,
184.8999, 320.7036

■ 0.6302, 0.7059,
6.9145

213.7990,

■ 0.0000, 0.0000,

226.6606, 382.1141

3.3310

258.8365,
274.2785, 450.9026

■ 0.0000, 0.0000,
1.2660

■ 0.0000, 0.0000,
0.0337

■ 33.5614, 35.8120,
83.7408

■ 33.5614, 35.8120,
83.7408

■ 29.3790, 30.6290,
82.9615

■ 38.6830, 41.7701,
84.6216

■ 26.0591, 26.1721,
82.2762

■ 44.8044, 48.5401,
85.6057

■ 23.5175, 22.3904,
81.6803

■ 51.9851, 56.1606,
86.6982

■ 21.6301, 19.2115,
81.1661

■ 60.2785, 64.6659,
87.9027

■ 21.4149, 18.8370,
81.1052

■ 69.7343, 74.0884,
89.2231

■ 80.3989, 84.4585,
90.6626

■ 89.8813, 94.5498,
92.1107

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



28.0827, 35.8120, 75.3275



33.5614, 35.8120, 83.7408



39.8524, 35.8120, 77.4758

Triad

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



33.5614, 35.8120, 83.7408



45.6600, 35.8120, 25.2430



24.9652, 35.8120, 23.5060

Complementary

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



33.5614, 35.8120, 83.7408



50.0566, 45.8001, 17.5131

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.



28.8190, 35.8120, 15.9832



33.5614, 35.8120, 83.7408



40.7813, 35.8120, 16.7523

Square

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



33.5614, 35.8120, 83.7408



47.3198, 35.8120, 40.3814



34.5196, 35.8120, 13.9456



23.5082, 35.8120, 37.6372

Rectangle

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



33.5614, 35.8120, 83.7408



43.5849, 35.8120, 66.6263



34.5196, 35.8120, 13.9456



25.9985, 35.8120, 20.3027

Sweetspot

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



33.5627, 35.8133, 83.7417



73.2433, 78.5309, 105.9054



41.5224, 64.7123, 46.3806



15.0166, 16.1399, 22.5738



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.



33.5627, 35.8133, 83.7417



34.6608, 35.9578, 99.7215



24.2014, 17.0907, 80.6213



14.8534, 15.7933, 19.1878



12.0460, 10.7391, 45.1809



1.0421, 1.0357, 3.5799

Inverse Universe

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



45.4198, 28.9663, 39.2747



50.7188, 29.2420, 38.9262



66.1279, 77.9427, 22.8702



15.3796, 15.1797, 17.2841



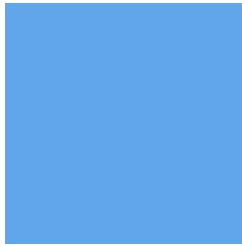
20.9356, 10.5769, 10.7280



1.6925, 0.8500, 1.0981

Previews

White Background



This preview shows how the XYZ color 33.5614, 35.8120, 83.7408 looks on a white background.

Color Contrast Check

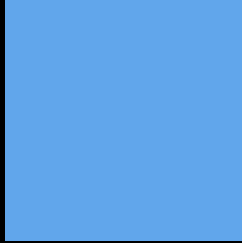
Large Text (above 18pt) WCAG AA × Fail

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 33.5614, 35.8120, 83.7408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

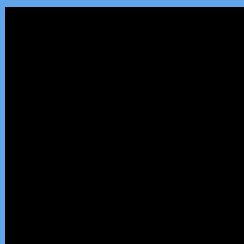
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

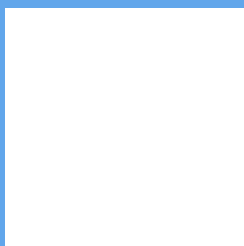
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5614, 35.8120, 83.7408

Background



This preview shows how black text looks on a background with the XYZ color 33.5614, 35.8120, 83.7408.

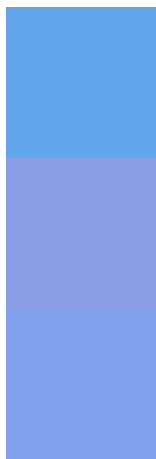


This preview shows how white text looks on a background with the XYZ color 33.5614, 35.8120,

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

33.5614, 35.8120, 83.7408

Protanopia

36.8509, 35.5141, 79.0414

Deuteranopia

36.6132, 35.7869, 84.3347



Tritanopia

27.5758, 35.9118, 53.6224

Trichromacy



Original Color

33.5614, 35.8120, 83.7408

Protanomaly

35.3371, 35.4702, 80.5853

Deuteranomaly

35.3968, 35.6787, 84.3779

Tritanomaly

29.5493, 35.8461, 63.7541

Monochromacy



Original Color

33.5614, 35.8120, 83.7408

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4470, 32.8592, 49.5375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5614, 35.8120, 83.7408 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(97, 166, 235) looks like.

```
.text, #text, p{  
    color:rgb(97, 166, 235)  
}
```

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(97, 166, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 166, 235) }
```

Border

The CSS property to change the border of an element to XYZ 33.5614, 35.8120, 83.7408 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(97, 166, 235) }
```


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

```
.border{ border-color:rgb(97, 166, 235) }
```

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

Here you see how a box with a 4 pixel rgb(97, 166, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 166, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 166, 235);  
box-shadow:4px 4px 4px 4px rgb(97, 166,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5614, 35.8120, 83.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 166, 235) }
```

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

```
.background{ background-color: rgb(97, 166,  
235) }
```

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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