

Converting Colors

XYZ(36.8083, 38.6110, 93.4742)

Have a look what the booklet for
XYZ(36.8083, 38.6110, 93.4742)
contains.

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Color

**XYZ(36.8309, 38.6660,
93.5178)**

Conversions

Conversions Part 1

Format	Color
Hex	66ABF7
RGB	102, 171, 247
RGB Percent	40%, 67%, 97%
CMY	0.6000, 0.3294, 0.0314
CMYK	0.59, 0.31, 0.00, 0.03
HSL	211°, 90%, 68%
HSV	211°, 59%, 97%
XYZ	36.8309, 38.6660, 93.5178
YIQ	159.0330, -65.5200, 9.0080

Conversions

Conversions Part 2

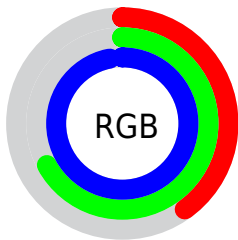
Format	Color
R _Y B	102, 149, 247
Decimal	6728695
CIE Lab	68.51, 0.26, -44.41
CIE LCh	69, 44.408, 270.341
Yxy	38.6660, 0.2179, 0.2288
Android (android.graphics.Color)	4284918775 (0xFF66ABF7)
YUV	159.0330, 43.3677, -50.0179
Hunter-Lab	62.1820, -3.0915, -45.6410

Details

The XYZ color **36.8309, 38.6660, 93.5178** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.6784, 52.5770, 19.7334**, and the grayscale version is **32.8007, 34.5089, 37.5802**.

A 20% lighter version of the original color is **60.1466, 69.2941, 104.8128**, and **16.3431, 17.1444, 51.1630** is the 20% darker color. If you saturate the color by 10%, you get **32.1104, 32.7788, 92.6310**, and if you desaturate by 10%, it is **42.6274, 45.4648, 94.5254**.

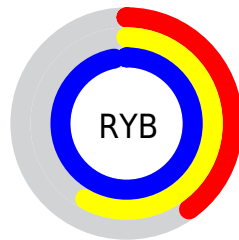
Distribution



Red (40%)

Green (67%)

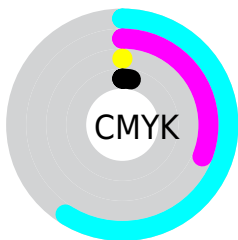
Blue (97%)



Red (40%)

Yellow (58%)

Blue (97%)

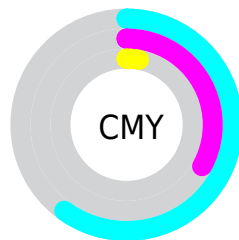


Cyan (59%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (60%)

Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8309, 38.6660, 93.5178 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 36.8309, 38.6660, 93.5178 by changing the saturation by 10% instead.

■ 36.8309, 38.6660,
93.5178

■ 36.8309, 38.6660,
93.5178

323.9461,
340.4684, 560.2716

■ 25.2497, 26.5000,
70.3119

■ 69.6282, 73.1278,
154.1932

■ 16.3929, 17.1981,
51.3025

■ 91.5749, 96.1924,
192.4998

■ 9.8952, 10.3758,
36.0710

■ 117.7075,
123.6586, 236.6770

■ 5.3913, 5.6488,
24.1989

148.3913,
155.9109, 287.1434

■ 2.5157, 2.6327,
15.2677

183.9917,
193.3336, 344.3175

■ 0.9032, 0.9432,
8.8588

224.8741,

■ 0.0000, 0.0000,

236.3112, 408.6179

4.5536

271.4038,
285.2280, 480.4631

■ 0.0000, 0.0000,
1.9337

■ 0.0000, 0.0000,
0.5141

■ 36.8309, 38.6660,
93.5178

■ 36.8309, 38.6660,
93.5178

■ 32.1104, 32.7788,
92.6310

■ 42.6274, 45.4648,
94.5254

■ 28.3784, 27.7459,
91.8563

■ 49.5695, 53.2189,
95.6562

■ 25.5383, 23.5076,
91.1879

■ 57.7251, 61.9734,
96.9161

■ 23.4513, 19.9812,
90.6172

■ 67.1557, 71.7689,
98.3098

■ 23.2124, 19.5630,
90.5491

■ 77.9179, 82.6434,
99.8415

■ 90.0650, 94.6328,
101.5155

■ 93.7887, 99.4955,
102.2578

Harmonies

Analogous

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



30.4929, 38.6660, 85.1931



36.8309, 38.6660, 93.5178



43.9672, 38.6660, 84.8272

Triad

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



36.8309, 38.6660, 93.5178



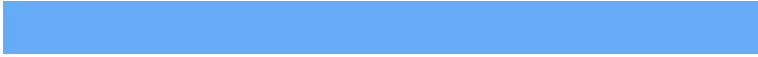
49.6143, 38.6660, 25.4957



26.2645, 38.6660, 25.7807

Complementary

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



36.8309, 38.6660, 93.5178



56.6784, 52.5770, 19.7334

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.



30.3708, 38.6660, 16.8512



36.8309, 38.6660, 93.5178



43.8113, 38.6660, 16.7271

Square

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



36.8309, 38.6660, 93.5178



51.8968, 38.6660, 41.8721



36.6710, 38.6660, 14.1472



24.8820, 38.6660, 42.3301

Rectangle

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



36.8309, 38.6660, 93.5178



48.1001, 38.6660, 71.7570



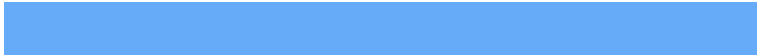
36.6710, 38.6660, 14.1472



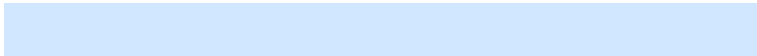
27.3440, 38.6660, 22.0020

Sweetspot

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



36.8323, 38.6673, 93.5188



72.9323, 77.9089, 105.8017



46.6693, 72.5185, 53.0913



14.9409, 15.9886, 22.5486



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.



36.8323, 38.6673, 93.5188



33.8921, 34.4204, 99.4652



27.2990, 19.1881, 90.2614



16.2316, 17.2275, 21.0123



12.4163, 10.6264, 47.9347



1.1935, 1.1383, 4.2471

Inverse Universe

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



50.4611, 32.2189, 42.0885



50.3308, 29.0868, 36.8830



73.1711, 86.8194, 25.4736



16.8275, 16.6138, 18.8381



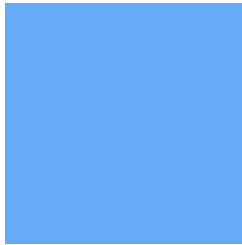
22.0717, 11.1721, 10.3519



1.9915, 1.0025, 1.1814

Previews

White Background



This preview shows how the XYZ color 36.8309, 38.6660, 93.5178 looks on a white background.

Color Contrast Check

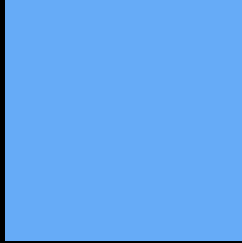
Large Text (above 18pt) WCAG AA × Fail

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 36.8309, 38.6660, 93.5178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

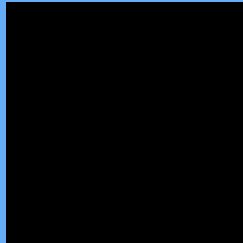
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

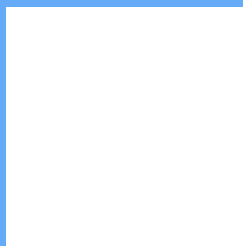
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8309, 38.6660, 93.5178

Background



This preview shows how black text looks on a background with the XYZ color 36.8309, 38.6660, 93.5178.



This preview shows how white text looks on a background with the XYZ color 36.8309, 38.6660,

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

36.8309, 38.6660, 93.5178

Protanopia

40.1371, 38.5645, 88.5473

Deuteranopia

39.4517, 38.3547, 94.1308



Tritanopia

29.7959, 38.7387, 58.1315

Trichromacy



Original Color

36.8309, 38.6660, 93.5178

Protanomaly

38.7488, 38.6205, 90.2062

Deuteranomaly

38.3697, 38.3367, 94.1844

Tritanomaly

32.0124, 38.4253, 70.0196

Monochromacy



Original Color

36.8309, 38.6660, 93.5178

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9824, 35.3592, 54.3769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8309, 38.6660, 93.5178 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(102, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 247)  
}
```

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(102, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 247) }
```

Border

The CSS property to change the border of an element to XYZ 36.8309, 38.6660, 93.5178 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(102, 171, 247) }
```


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

```
.border{ border-color:rgb(102, 171, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8309, 38.6660, 93.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 247) }
```

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

```
.background{ background-color: rgb(102,  
171, 247) }
```

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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