

Converting Colors

XYZ(37.0188, 37.9038, 89.2795)

Have a look what the booklet for
XYZ(37.0188, 37.9038, 89.2795)
contains.

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Color

**XYZ(37.0999, 38.0609,
89.3955)**

Conversions

Conversions Part 1

Format	Color
Hex	73A8F2
RGB	115, 168, 242
RGB Percent	45%, 66%, 95%
CMY	0.5490, 0.3412, 0.0510
CMYK	0.52, 0.31, 0.00, 0.05
HSL	215°, 83%, 70%
HSV	215°, 52%, 95%
XYZ	37.0999, 38.0609, 89.3955
YIQ	160.5890, -55.3420, 11.7780

Conversions

Conversions Part 2

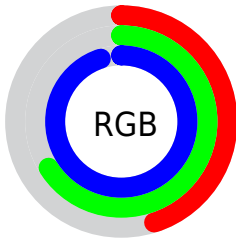
Format	Color
R _Y B	115, 152, 242
Decimal	7579890
CIE Lab	68.07, 3.06, -42.34
CIE LCh	68, 42.446, 274.134
Yxy	38.0609, 0.2255, 0.2313
Android (android.graphics.Color)	4285769970 (0xFF73A8F2)
YUV	160.5890, 40.1356, -39.9816
Hunter-Lab	61.6935, -0.6212, -42.7273

Details

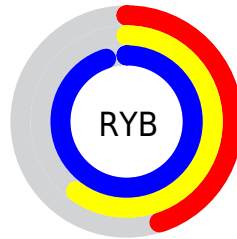
The XYZ color **37.0999, 38.0609, 89.3955** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.9118, 56.5127, 24.0773**, and the grayscale version is **33.5254, 35.2714, 38.4105**.

A 20% lighter version of the original color is **61.6713, 68.8796, 104.6524**, and **16.4705, 16.7504, 48.2640** is the 20% darker color. If you saturate the color by 10%, you get **31.8618, 31.7038, 88.4453**, and if you desaturate by 10%, it is **43.4583, 45.4159, 90.4808**.

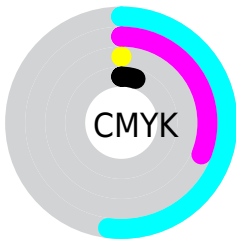
Distribution



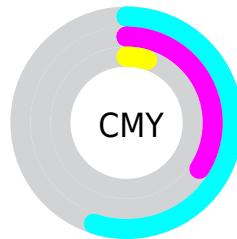
- Red (45%)
- Green (66%)
- Blue (95%)



- Red (45%)
- Yellow (60%)
- Blue (95%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0999, 38.0609, 89.3955 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 37.0999, 38.0609, 89.3955 by changing the saturation by 10% instead.

■ 37.0999, 38.0609,
89.3955

■ 37.0999, 38.0609,
89.3955

325.0909,
337.8811, 546.5817

■ 25.4589, 26.0300,
66.9085

■ 70.0392, 72.2015,
148.4266

■ 16.5498, 16.8461,
48.5491

■ 92.0683, 95.0799,
185.8078

■ 10.0074, 10.1248,
33.8989

■ 118.2907,
122.3429, 228.9908

■ 5.4661, 5.4818,
22.5392

149.0718,
154.3750, 278.3941

■ 2.5608, 2.5326,
14.0515

184.7771,
191.5604, 334.4363

■ 0.9260, 0.8929,
8.0174

225.7717,

■ 0.0000, 0.0000,

234.2837, 397.5360

4.0181

272.4212,
282.9291, 468.1116

■ 0.0000, 0.0000,
1.6353

■ 0.0000, 0.0000,
0.3158

■ 37.0999, 38.0609,
89.3955

■ 37.0999, 38.0609,
89.3955

■ 31.8618, 31.7038,
88.4453

■ 43.4583, 45.4159,
90.4808

■ 27.6639, 26.2880,
87.6212

■ 51.0009, 53.8126,
91.7040

■ 24.4211, 21.7565,
86.9174

■ 59.7916, 63.2967,
93.0713

■ 22.0303, 18.0412,
86.3263

■ 69.8880, 73.9096,
94.5876

■ 20.6798, 15.7161,
85.9487

■ 81.3442, 85.6903,
96.2577

■ 92.2692, 97.6750,
97.9952

■ 93.0272, 99.1909,
98.2478

Harmonies

Analogous

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



30.9081, 38.0609, 83.5942



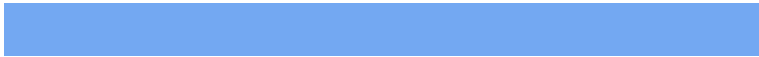
37.0999, 38.0609, 89.3955



43.7884, 38.0609, 79.4739

Triad

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



37.0999, 38.0609, 89.3955



47.7519, 38.0609, 24.1852



25.8999, 38.0609, 27.5007

Complementary

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



37.0999, 38.0609, 89.3955



57.9118, 56.5127, 24.0773

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.



29.5008, 38.0609, 18.0201



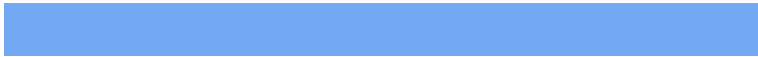
37.0999, 38.0609, 89.3955



42.0103, 38.0609, 16.5553

Square

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



37.0999, 38.0609, 89.3955



50.3947, 38.0609, 38.8724



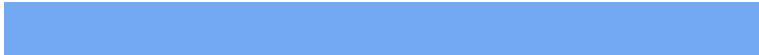
35.2671, 38.0609, 14.7020



24.9197, 38.0609, 44.1221

Rectangle

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



37.0999, 38.0609, 89.3955



47.4870, 38.0609, 66.6430



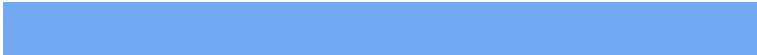
35.2671, 38.0609, 14.7020



26.8204, 38.0609, 23.5609

Sweetspot

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



37.1013, 38.0623, 89.3964



74.4792, 78.8248, 105.8970



47.7899, 70.7366, 58.1316



15.4367, 16.3414, 22.5906



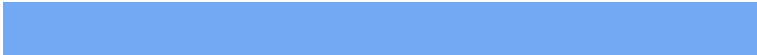
0.0000, 0.0000, 0.0000



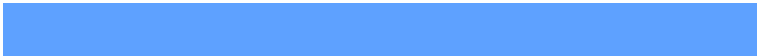
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1013, 38.0623, 89.3964



35.5153, 35.2448, 99.5388



30.3948, 22.9197, 86.8271



15.4392, 16.3126, 20.0565



11.2371, 8.6984, 46.2146



1.0309, 0.9158, 3.8766

Inverse Universe

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



49.8178, 33.9676, 40.9776



51.7414, 31.9148, 37.3323



68.6264, 82.1565, 28.4624



16.0464, 15.8683, 17.8005



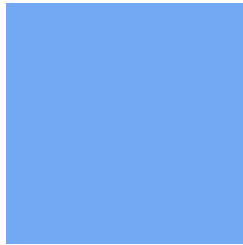
20.9976, 10.6715, 7.9038



1.7953, 0.9072, 0.9129

Previews

White Background



This preview shows how the XYZ color 37.0999, 38.0609, 89.3955 looks on a white background.

Color Contrast Check

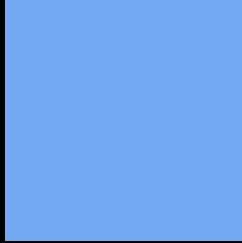
Large Text (above 18pt) WCAG AA × Fail

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 37.0999, 38.0609, 89.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

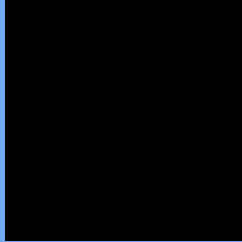
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

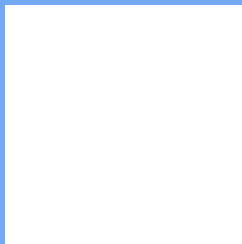
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0999, 38.0609, 89.3955

Background



This preview shows how black text looks on a background with the XYZ color 37.0999, 38.0609, 89.3955.



This preview shows how white text looks on a background with the XYZ color 37.0999, 38.0609,

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

37.0999, 38.0609, 89.3955

Protanopia

39.5143, 38.0302, 86.1468

Deuteranopia

38.9688, 37.9275, 90.0609



Tritanopia

30.4718, 38.2432, 55.6448

Trichromacy



Original Color

37.0999, 38.0609, 89.3955

Protanomaly

38.5508, 38.0478, 86.9735

Deuteranomaly

38.2370, 37.8170, 90.0781

Tritanomaly

32.4778, 37.8683, 66.5703

Monochromacy



Original Color

37.0999, 38.0609, 89.3955

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.0713, 36.1979, 53.9063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0999, 38.0609, 89.3955 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(115, 168, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 168, 242)  
}
```

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(115, 168, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 168, 242) }
```

Border

The CSS property to change the border of an element to XYZ 37.0999, 38.0609, 89.3955 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(115, 168, 242) }
```


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

```
.border{ border-color:rgb(115, 168, 242) }
```

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

Here you see how a box with a 4 pixel rgb(115, 168, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 168, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 168, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 168,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0999, 38.0609, 89.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 168, 242) }
```

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

```
.background{ background-color: rgb(115,  
168, 242) }
```

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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