

Converting Colors

XYZ(38.0630, 38.1500, 89.8004)

Have a look what the booklet for
XYZ(38.0630, 38.1500, 89.8004)
contains.

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Color

**XYZ(38.1648, 38.3195,
90.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA7F3
RGB	123, 167, 243
RGB Percent	48%, 65%, 95%
CMY	0.5176, 0.3451, 0.0471
CMYK	0.49, 0.31, 0.00, 0.05
HSL	218°, 83%, 72%
HSV	218°, 49%, 95%
XYZ	38.1648, 38.3195, 90.1789
YIQ	162.5080, -50.6200, 14.3080

Conversions

Conversions Part 2

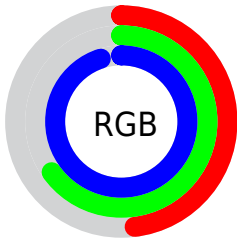
Format	Color
RYB	123, 155, 243
Decimal	8103923
CIELab	68.26, 5.70, -42.55
CIELCh	68, 42.934, 277.635
Yxy	38.3195, 0.2290, 0.2299
Android (android.graphics.Color)	4286294003 (0xFF7BA7F3)
YUV	162.5080, 39.6826, -34.6485
Hunter-Lab	61.9027, 1.7205, -43.0408

Details

The XYZ color **38.1648, 38.3195, 90.1789** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.9623, 61.3338, 27.3663**, and the grayscale version is **34.4187, 36.2112, 39.4340**.

A 20% lighter version of the original color is **63.2273, 69.2863, 104.6489**, and **17.1080, 16.8966, 48.8141** is the 20% darker color. If you saturate the color by 10%, you get **32.4567, 31.4380, 89.1522**, and if you desaturate by 10%, it is **45.0739, 46.3195, 91.3597**.

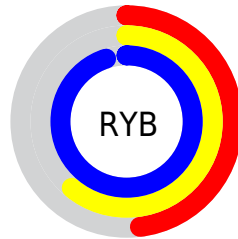
Distribution



Red (48%)

Green (65%)

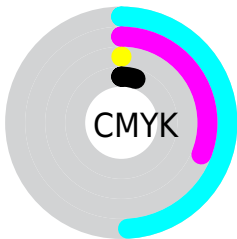
Blue (95%)



Red (48%)

Yellow (61%)

Blue (95%)

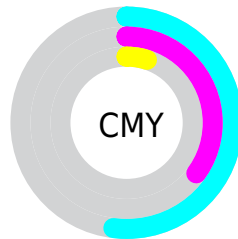


Cyan (49%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (52%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1648, 38.3195, 90.1789 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 38.1648, 38.3195, 90.1789 by changing the saturation by 10% instead.

■ 38.1648, 38.3195,
90.1789

■ 38.1648, 38.3195,
90.1789

329.5950,
338.9886, 549.1977

■ 26.2884, 26.2308,
67.5545

■ 71.6629, 72.5976,
149.5246

■ 17.1733, 16.9964,
49.0709

■ 94.0154, 95.5557,
187.0829

■ 10.4542, 10.2319,
34.3098

■ 120.5906,
122.9058, 230.4563

■ 5.7657, 5.5530,
22.8524

151.7539,
155.0321, 280.0632

■ 2.7424, 2.5752,
14.2803

187.8706,
192.3192, 336.3223

■ 1.0191, 0.9142,
8.1749

229.3061,

■ 0.0000, 0.0000,

235.1513, 399.6521

4.1177

276.4258,
283.9130, 470.4710

■ 0.0000, 0.0000,
1.6901

■ 0.0000, 0.0000,
0.3540

■ 38.1648, 38.3195,
90.1789

■ 38.1648, 38.3195,
90.1789

■ 32.4567, 31.4380,
89.1522

■ 45.0739, 46.3195,
91.3597

■ 27.8686, 25.6140,
88.2699

■ 53.2493, 55.4864,
92.6982

■ 24.3153, 20.7858,
87.5252

■ 62.7562, 65.8702,
94.2013

■ 21.6955, 16.8815,
86.9097

■ 73.6542, 77.5165,
95.8749

■ 19.8571, 13.8018,
86.4122

■ 85.9988, 90.4687,
97.7243

■ 19.7583, 13.6321,
86.3846

■ 93.1778, 99.2511,
99.0411

Harmonies

Analogous

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



31.7242, 38.3195, 86.1372



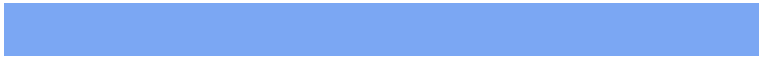
38.1648, 38.3195, 90.1789



44.8923, 38.3195, 78.4115

Triad

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



38.1648, 38.3195, 90.1789



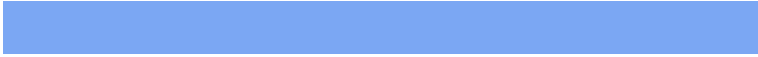
47.6385, 38.3195, 22.9654



25.7343, 38.3195, 29.1706

Complementary

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



38.1648, 38.3195, 90.1789



60.9623, 61.3338, 27.3663

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.



29.0896, 38.3195, 18.7490



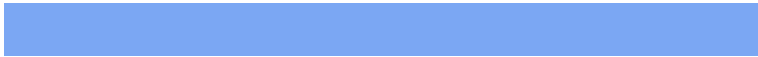
38.1648, 38.3195, 90.1789



41.5611, 38.3195, 16.0108

Square

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



38.1648, 38.3195, 90.1789



50.7830, 38.3195, 36.9989



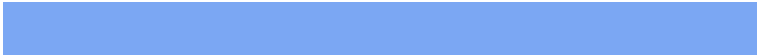
34.7322, 38.3195, 14.7492



25.0603, 38.3195, 46.8339

Rectangle

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



38.1648, 38.3195, 90.1789



48.4579, 38.3195, 64.8252



34.7322, 38.3195, 14.7492



26.5641, 38.3195, 24.8879

Sweetspot

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



38.1662, 38.3209, 90.1798



75.1039, 78.9591, 105.8900



50.5292, 72.4368, 65.3530



15.5376, 16.3238, 22.5818



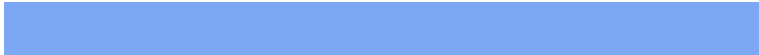
0.0000, 0.0000, 0.0000



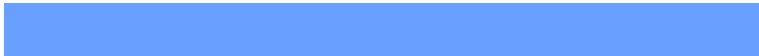
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1662, 38.3209, 90.1798



36.3441, 35.2384, 99.4939



33.9098, 26.1279, 88.0507



16.0787, 16.9217, 20.9613



10.9613, 7.7165, 47.4497



1.0579, 0.8672, 4.2019

Inverse Universe

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



51.0214, 36.0123, 40.8224



52.5660, 33.7998, 36.8798



67.3054, 81.8631, 30.9946



16.7503, 16.5830, 18.4316



21.3373, 10.8784, 6.4845



1.9230, 0.9752, 0.8211

Previews

White Background



This preview shows how the XYZ color 38.1648, 38.3195, 90.1789 looks on a white background.

Color Contrast Check

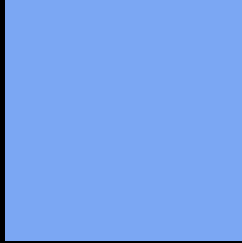
Large Text (above 18pt) WCAG AA × Fail

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 38.1648, 38.3195, 90.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

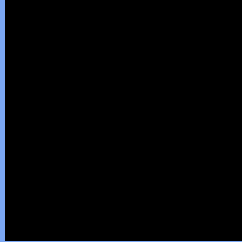
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

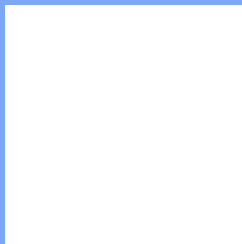
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1648, 38.3195, 90.1789

Background



This preview shows how black text looks on a background with the XYZ color 38.1648, 38.3195, 90.1789.



This preview shows how white text looks on a background with the XYZ color 38.1648, 38.3195,

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

38.1648, 38.3195, 90.1789

Protanopia

39.8099, 38.1484, 87.7032

Deuteranopia

39.4571, 38.4285, 90.9258



Tritanopia

31.1895, 38.3317, 55.0451

Trichromacy



Original Color

38.1648, 38.3195, 90.1789

Protanomaly

38.9842, 37.9701, 88.4934

Deuteranomaly

39.0186, 38.4712, 90.9571

Tritanomaly

33.3865, 38.0510, 66.5577

Monochromacy



Original Color

38.1648, 38.3195, 90.1789

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.0026, 36.6526, 55.0990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1648, 38.3195, 90.1789 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(123, 167, 243)` looks like.

```
.text, #text, p{  
    color:rgb(123, 167, 243)  
}
```

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(123, 167, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 167, 243) }
```

Border

The CSS property to change the border of an element to XYZ 38.1648, 38.3195, 90.1789 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(123, 167, 243) }
```


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

```
.border{ border-color:rgb(123, 167, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 167, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 167, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 167, 243);  
box-shadow:4px 4px 4px 4px rgb(123, 167,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1648, 38.3195, 90.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 167, 243) }
```

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

```
.background{ background-color: rgb(123,  
167, 243) }
```

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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