

Converting Colors

XYZ(37.2212, 38.1426, 91.9323)

Have a look what the booklet for
XYZ(37.2212, 38.1426, 91.9323)
contains.

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Color

**XYZ(37.1662, 38.0426,
91.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	70A8F5
RGB	112, 168, 245
RGB Percent	44%, 66%, 96%
CMY	0.5608, 0.3412, 0.0392
CMYK	0.54, 0.31, 0.00, 0.04
HSL	215°, 87%, 70%
HSV	215°, 54%, 96%
XYZ	37.1662, 38.0426, 91.7703
YIQ	160.0340, -58.0930, 12.0750

Conversions

Conversions Part 2

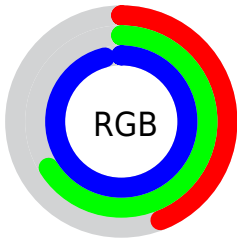
Format	Color
R _Y B	112, 151, 245
Decimal	7383285
CIE Lab	68.05, 3.34, -44.00
CIE LCh	68, 44.129, 274.335
Yxy	38.0426, 0.2226, 0.2278
Android (android.graphics.Color)	4285573365 (0xFF70A8F5)
YUV	160.0340, 41.8882, -42.1258
Hunter-Lab	61.6787, -0.3776, -45.0412

Details

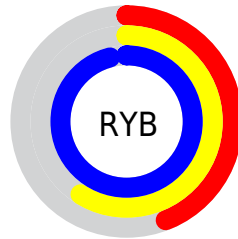
The XYZ color **37.1662, 38.0426, 91.7703** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.7803, 56.9802, 23.2314**, and the grayscale version is **33.2629, 34.9952, 38.1098**.

A 20% lighter version of the original color is **61.2323, 68.6533, 104.6319**, and **16.4948, 16.7260, 49.9360** is the 20% darker color. If you saturate the color by 10%, you get **31.9851, 31.6944, 90.8188**, and if you desaturate by 10%, it is **43.4837, 45.4019, 92.8586**.

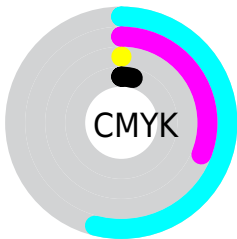
Distribution



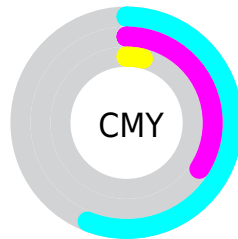
- Red (44%)
- Green (66%)
- Blue (96%)



- Red (44%)
- Yellow (59%)
- Blue (96%)



- Cyan (54%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1662, 38.0426, 91.7703 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 37.1662, 38.0426, 91.7703 by changing the saturation by 10% instead.

■ 37.1662, 38.0426,
91.7703

■ 37.1662, 38.0426,
91.7703

325.3726,
337.8027, 554.4909

■ 25.5105, 26.0158,
68.8679

■ 70.1405, 72.1734,
151.7519

■ 16.5885, 16.8354,
50.1330

■ 92.1898, 95.0462,
189.6682

■ 10.0350, 10.1172,
35.1472

■ 118.4343,
122.3031, 233.4262

■ 5.4846, 5.4768,
23.4918

149.2394,
154.3284, 283.4445

■ 2.5720, 2.5296,
14.7484

184.9704,
191.5067, 340.1416

■ 0.9317, 0.8914,
8.4983

225.9927,

■ 0.0000, 0.0000,

234.2222, 403.9360

4.3231

272.6716,
282.8594, 475.2462

■ 0.0000, 0.0000,
1.8042

■ 0.0000, 0.0000,
0.4307

■ 37.1662, 38.0426,
91.7703

■ 37.1662, 38.0426,
91.7703

■ 31.9851, 31.6944,
90.8188

■ 43.4837, 45.4019,
92.8586

■ 27.8564, 26.2987,
89.9949

■ 51.0048, 53.8181,
94.0867

■ 24.6902, 21.7954,
89.2926

■ 59.7959, 63.3384,
95.4609

■ 22.3760, 18.1126,
88.7037

■ 69.9172, 74.0057,
96.9865

■ 21.3472, 16.3239,
88.4127

■ 81.4247, 85.8604,
98.6681

■ 92.8816, 98.1728,
100.4408

■ 93.4816, 99.3726,
100.6408

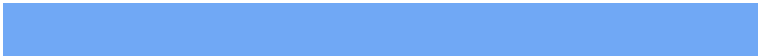
Harmonies

Analogous

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



30.7323, 38.0426, 85.7463



37.1662, 38.0426, 91.7703



44.1343, 38.0426, 81.1843

Triad

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



37.1662, 38.0426, 91.7703



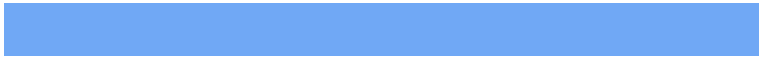
48.2030, 38.0426, 23.5349



25.5089, 38.0426, 27.0993

Complementary

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



37.1662, 38.0426, 91.7703



58.7803, 56.9802, 23.2314

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.



29.2063, 38.0426, 17.3736



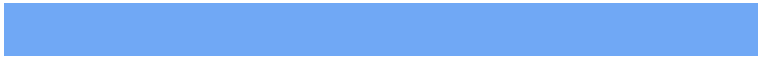
37.1662, 38.0426, 91.7703



42.1882, 38.0426, 15.8199

Square

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



37.1662, 38.0426, 91.7703



50.9982, 38.0426, 38.6272



35.1689, 38.0426, 13.9873



24.5188, 38.0426, 44.3482

Rectangle

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



37.1662, 38.0426, 91.7703



47.9901, 38.0426, 67.6336



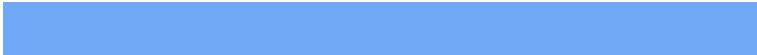
35.1689, 38.0426, 13.9873



26.4511, 38.0426, 23.0445

Sweetspot

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



37.1676, 38.0439, 91.7712



74.5219, 78.9101, 105.9112



48.3450, 72.3543, 58.6395



15.4468, 16.3617, 22.5939



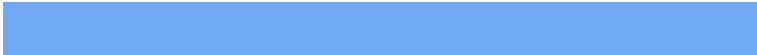
0.0000, 0.0000, 0.0000



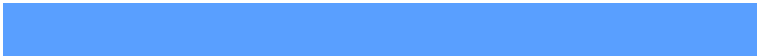
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1676, 38.0439, 91.7712



34.5984, 34.1652, 99.3788



30.1439, 22.2383, 89.0906



16.1546, 17.0734, 20.9866



11.6301, 9.0539, 47.6726



1.1215, 0.9944, 4.2231

Inverse Universe

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



50.5195, 33.8297, 40.9140



51.0944, 30.9509, 36.0989



70.2145, 84.3313, 27.9081



16.7886, 16.5983, 18.6333



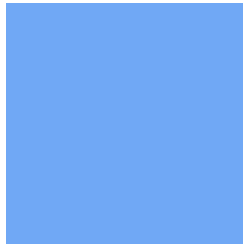
21.6748, 11.0134, 8.2620



1.9551, 0.9880, 0.9901

Previews

White Background



This preview shows how the XYZ color 37.1662, 38.0426, 91.7703 looks on a white background.

Color Contrast Check

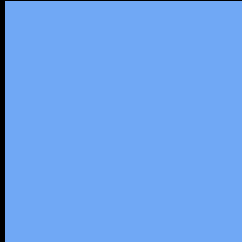
Large Text (above 18pt) WCAG AA × Fail

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 37.1662, 38.0426, 91.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

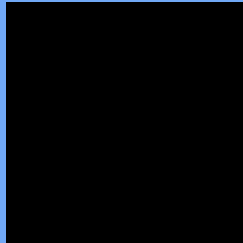
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

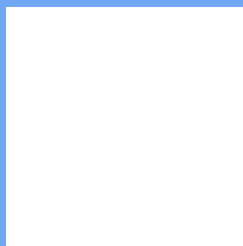
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1662, 38.0426, 91.7703

Background



This preview shows how black text looks on a background with the XYZ color 37.1662, 38.0426, 91.7703.



This preview shows how white text looks on a background with the XYZ color 37.1662, 38.0426,

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

37.1662, 38.0426, 91.7703

Protanopia

39.4637, 37.7074, 87.6364

Deuteranopia

38.9633, 37.8719, 92.4452



Tritanopia

30.0602, 38.0182, 56.2060

Trichromacy



Original Color

37.1662, 38.0426, 91.7703

Protanomaly

38.5084, 37.7076, 89.2531

Deuteranomaly

38.2581, 37.7750, 92.4637

Tritanomaly

32.2752, 37.7349, 67.8698

Monochromacy



Original Color

37.1662, 38.0426, 91.7703

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.8289, 35.7956, 54.4165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1662, 38.0426, 91.7703 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(112, 168, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 245)  
}
```

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(112, 168, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.1662, 38.0426, 91.7703 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(112, 168, 245) }
```


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

```
.border{ border-color:rgb(112, 168, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 168, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 168, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 168, 245); box-shadow:4px 4px 4px 4px rgb(112, 168, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1662, 38.0426, 91.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 245) }
```

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

```
.background{ background-color: rgb(112,  
168, 245) }
```

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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