

Converting Colors

XYZ(37.4288, 38.1098, 82.4740)

Have a look what the booklet for
XYZ(37.4288, 38.1098, 82.4740)
contains.

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Color

**XYZ(37.4288, 38.1098,
82.4740)**

Conversions

Conversions Part 1

Format	Color
Hex	80A7E9
RGB	128, 167, 233
RGB Percent	50%, 65%, 91%
CMY	0.4980, 0.3451, 0.0863
CMYK	0.45, 0.28, 0.00, 0.09
HSL	218°, 70%, 71%
HSV	218°, 45%, 91%
XYZ	37.4288, 38.1098, 82.4740
YIQ	162.8630, -44.4300, 12.2580

Conversions

Conversions Part 2

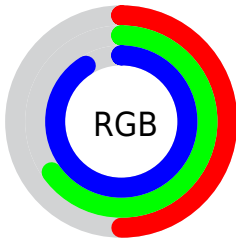
Format	Color
RYB	128, 156, 233
Decimal	8431593
CIELab	68.10, 3.98, -37.31
CIElCh	68, 37.521, 276.091
Yxy	38.1098, 0.2369, 0.2412
Android (android.graphics.Color)	4286621673 (0xFF80A7E9)
YUV	162.8630, 34.5775, -30.5749
Hunter-Lab	61.7331, 0.1916, -35.9968

Details

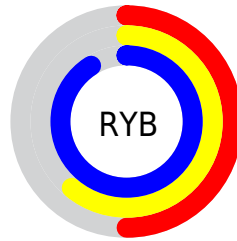
The XYZ color **37.4288, 38.1098, 82.4740** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.7937, 57.4675, 28.5228**, and the grayscale version is **34.6065, 36.4087, 39.6491**.

A 20% lighter version of the original color is **64.1789, 69.7768, 104.6934**, and **16.7390, 16.8135, 43.9581** is the 20% darker color. If you saturate the color by 10%, you get **31.7854, 31.4411, 81.4850**, and if you desaturate by 10%, it is **44.1834, 45.8039, 83.6038**.

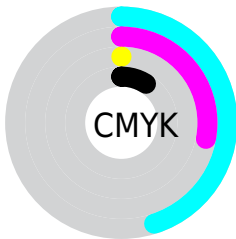
Distribution



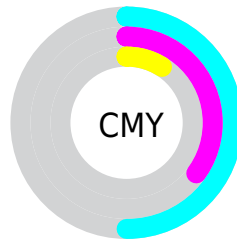
- Red (50%)
- Green (65%)
- Blue (91%)



- Red (50%)
- Yellow (61%)
- Blue (91%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4288, 38.1098, 82.4740 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 37.4288, 38.1098, 82.4740 by changing the saturation by 10% instead.

■ 37.4288, 38.1098,
82.4740

■ 37.4288, 38.1098,
82.4740

326.4867,
338.0907, 523.1568

■ 25.7149, 26.0679,
61.2182

■ 70.5413, 72.2764,
138.6812

■ 16.7420, 16.8745,
43.9696

■ 92.6707, 95.1699,
174.4696

■ 10.1449, 10.1450,
30.3096

■ 119.0025,
122.4494, 215.9394

■ 5.5581, 5.4952,
19.8197

149.9022,
154.4993, 263.5090

■ 2.6164, 2.5407,
12.0812

185.7351,
191.7040, 317.5970

■ 0.9543, 0.8969,
6.6758

226.8666,

■ 0.0000, 0.0000,

234.4479, 378.6220

3.1848

273.6620,
283.1153, 447.0024

■ 0.0000, 0.0000,
1.1898

■ 0.0000, 0.0000,
0.0000

■ 37.4288, 38.1098,
82.4740

■ 37.4288, 38.1098,
82.4740

■ 31.7854, 31.4411,
81.4850

■ 44.1834, 45.8039,
83.6038

■ 27.1833, 25.7446,
80.6280

■ 52.1052, 54.5644,
84.8772

■ 23.5501, 20.9679,
79.8975

■ 61.2513, 64.4351,
86.3004

■ 20.8015, 17.0508,
79.2863

■ 71.6735, 75.4557,
87.8783

■ 18.8354, 13.9229,
78.7862

■ 83.4205, 87.6640,
89.6156

■ 18.0793, 12.6256,
78.5756

■ 91.6693, 98.5857,
91.2889

■ 91.7081, 98.6632,
91.3019

Harmonies

Analogous

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



31.8523, 38.1098, 78.4588



37.4288, 38.1098, 82.4740



43.2600, 38.1098, 73.3478

Triad

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



37.4288, 38.1098, 82.4740



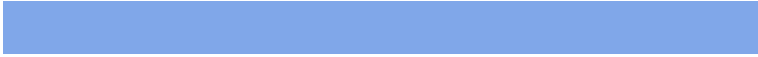
46.0927, 38.1098, 25.2653



26.8821, 38.1098, 29.7611

Complementary

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



37.4288, 38.1098, 82.4740



56.7937, 57.4675, 28.5228

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.



29.9924, 38.1098, 20.5284



37.4288, 38.1098, 82.4740



40.9747, 38.1098, 18.4639

Square

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



37.4288, 38.1098, 82.4740



48.5969, 38.1098, 38.1702



35.0419, 38.1098, 16.9993



26.1497, 38.1098, 45.0077

Rectangle

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



37.4288, 38.1098, 82.4740



46.3817, 38.1098, 62.1847



35.0419, 38.1098, 16.9993



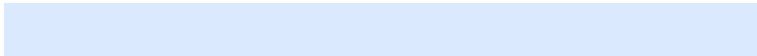
27.6665, 38.1098, 25.9939

Sweetspot

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



37.4301, 38.1112, 82.4749



76.3682, 80.3555, 106.0929



47.6400, 66.7072, 60.6723



15.7898, 16.6054, 22.6229



0.0000, 0.0000, 0.0000



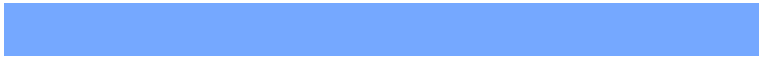
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4301, 38.1112, 82.4749



39.5113, 39.1924, 100.0902



33.2861, 26.9205, 80.5333



14.6895, 15.4654, 19.1331



10.3674, 7.3818, 44.6214



0.9035, 0.7586, 3.5337

Inverse Universe

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



48.2997, 35.5535, 40.8773



54.7457, 36.8964, 41.4996



62.7789, 75.1702, 31.6243



15.2968, 15.1466, 16.8483



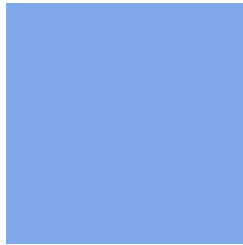
20.0883, 10.2380, 6.2663



1.6226, 0.8220, 0.7298

Previews

White Background



This preview shows how the XYZ color 37.4288, 38.1098, 82.4740 looks on a white background.

Color Contrast Check

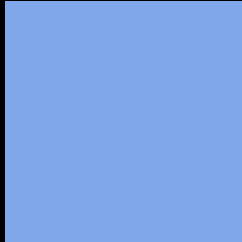
Large Text (above 18pt) WCAG AA × Fail

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 37.4288, 38.1098, 82.4740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

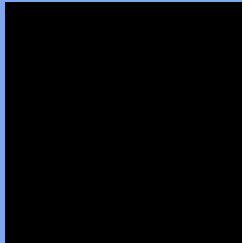
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4288, 38.1098, 82.4740

Background



This preview shows how black text looks on a background with the XYZ color 37.4288, 38.1098, 82.4740.



This preview shows how white text looks on a background with the XYZ color 37.4288, 38.1098,

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

37.4288, 38.1098, 82.4740

Protanopia

39.0572, 37.9273, 80.1251

Deuteranopia

39.1112, 38.1542, 83.1450



Tritanopia

31.7177, 38.0471, 53.8162

Trichromacy



Original Color

37.4288, 38.1098, 82.4740

Protanomaly

38.3467, 37.8094, 80.8782

Deuteranomaly

38.4598, 38.0850, 83.1660

Tritanomaly

33.5177, 37.9059, 63.3076

Monochromacy



Original Color

37.4288, 38.1098, 82.4740

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.9302, 36.6658, 52.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4288, 38.1098, 82.4740 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(128, 167, 233)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 233)  
}
```

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(128, 167, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 233) }
```

Border

The CSS property to change the border of an element to XYZ 37.4288, 38.1098, 82.4740 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(128, 167, 233) }
```


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

```
.border{ border-color:rgb(128, 167, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 167, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 233);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4288, 38.1098, 82.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 233) }
```

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

```
.background{ background-color: rgb(128,  
167, 233) }
```

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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