

Converting Colors

XYZ(38.0771, 37.7968, 77.0367)

Have a look what the booklet for
XYZ(38.0771, 37.7968, 77.0367)
contains.

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Color

**XYZ(38.1583, 37.7927,
77.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA4E2
RGB	142, 164, 226
RGB Percent	56%, 64%, 89%
CMY	0.4431, 0.3569, 0.1137
CMYK	0.37, 0.27, 0.00, 0.11
HSL	224°, 59%, 72%
HSV	224°, 37%, 89%
XYZ	38.1583, 37.7927, 77.2351
YIQ	164.4900, -33.0140, 14.6180

Conversions

Conversions Part 2

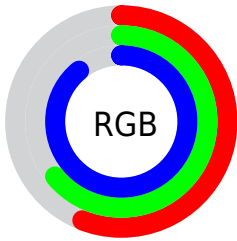
Format	Color
RYB	142, 159, 226
Decimal	9348322
CIELab	67.87, 7.36, -33.77
CIELCh	68, 34.560, 282.288
Yxy	37.7927, 0.2491, 0.2467
Android (android.graphics.Color)	4287538402 (0xFF8EA4E2)
YUV	164.4900, 30.3244, -19.7237
Hunter-Lab	61.4758, 3.2132, -31.4560

Details

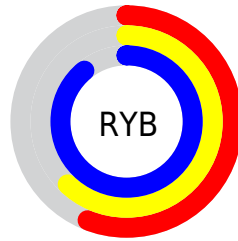
The XYZ color **38.1583, 37.7927, 77.2351** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.8405, 61.3087, 34.3780**, and the grayscale version is **35.3923, 37.2355, 40.5494**.

A 20% lighter version of the original color is **66.6702, 69.8888, 104.5837**, and **17.0744, 16.5653, 40.3277** is the 20% darker color. If you saturate the color by 10%, you get **31.8747, 30.4093, 76.1418**, and if you desaturate by 10%, it is **45.6221, 46.3674, 78.4975**.

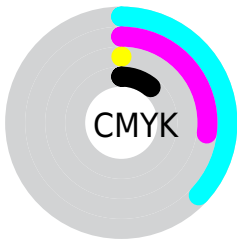
Distribution



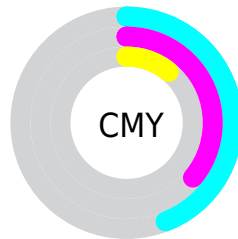
- Red (56%)
- Green (64%)
- Blue (89%)



- Red (56%)
- Yellow (62%)
- Blue (89%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1583, 37.7927, 77.2351 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 38.1583, 37.7927, 77.2351 by changing the saturation by 10% instead.

■ 38.1583, 37.7927,
77.2351

■ 38.1583, 37.7927,
77.2351

329.5677,
336.7299, 505.0242

■ 26.2833, 25.8218,
56.9331

■ 71.6530, 71.7903,
131.2473

■ 17.1695, 16.6904,
40.5426

■ 94.0035, 94.5858,
165.7947

■ 10.4515, 10.0140,
27.6448

120.5766,
121.7583, 205.9276

■ 5.7639, 5.4082,
17.8214

151.7376,
153.6923, 252.0646

■ 2.7413, 2.4887,
10.6537

187.8518,
190.7720, 304.6242

■ 1.0185, 0.8710,
5.7233

229.2847,

■ 0.0000, 0.0000,

233.3819, 364.0250

2.6115

276.4015,
281.9064, 430.6854

■ 0.0000, 0.0000,
0.8984

■ 0.0000, 0.0000,
0.0000

■ 38.1583, 37.7927,
77.2351

■ 38.1583, 37.7927,
77.2351

■ 31.8747, 30.4093,
76.1418

■ 45.6221, 46.3674,
78.4975

■ 26.7046, 24.1579,
75.2077

■ 54.3204, 56.1801,
79.9331

■ 22.5801, 18.9805,
74.4257

■ 64.3085, 67.2805,
81.5492

■ 19.4239, 14.8116,
73.7874

■ 75.6374, 79.7139,
83.3520

■ 17.1470, 11.5775,
73.2832

■ 88.3534, 93.5226,
85.3472

■ 15.6364, 9.1897,
72.9019

■ 90.7276, 98.2710,
86.1386

■ 15.3014, 8.6385,
72.8132

Harmonies

Analogous

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



32.8768, 37.7927, 76.1407



38.1583, 37.7927, 77.2351



43.3082, 37.7927, 67.0633

Triad

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



38.1583, 37.7927, 77.2351



44.0939, 37.7927, 24.3188



26.9736, 37.7927, 32.8103

Complementary

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



38.1583, 37.7927, 77.2351



57.8405, 61.3087, 34.3780

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.



29.4253, 37.7927, 22.9547



38.1583, 37.7927, 77.2351



39.1472, 37.7927, 18.9570

Square

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



38.1583, 37.7927, 77.2351



46.9566, 37.7927, 35.1845



33.7726, 37.7927, 18.5292



26.7656, 37.7927, 47.7540

Rectangle

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



38.1583, 37.7927, 77.2351



45.8350, 37.7927, 56.4519



33.7726, 37.7927, 18.5292



27.5505, 37.7927, 28.8977

Sweetspot

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



38.1596, 37.7941, 77.2360



79.2200, 82.5573, 106.3675



49.2040, 64.4849, 66.7302



16.5707, 17.2422, 22.7047



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.



38.1596, 37.7941, 77.2360



43.3390, 41.6805, 100.3687



38.2210, 32.4781, 76.2067



13.2425, 13.8241, 17.3580



8.8117, 5.0930, 41.5670



0.6828, 0.4971, 2.9052

Inverse Universe

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



47.7390, 38.1965, 39.9799



57.9391, 43.0031, 43.4275



57.6447, 69.5257, 35.9744



13.8539, 13.7592, 15.0006



18.3879, 9.4222, 3.4427



1.3109, 0.6676, 0.4301

Previews

White Background



This preview shows how the XYZ color 38.1583, 37.7927, 77.2351 looks on a white background.

Color Contrast Check

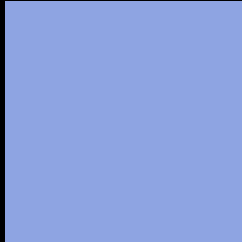
Large Text (above 18pt) WCAG AA × Fail

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 38.1583, 37.7927, 77.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

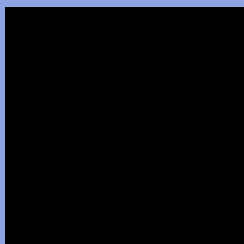
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1583, 37.7927, 77.2351

Background



This preview shows how black text looks on a background with the XYZ color 38.1583, 37.7927, 77.2351.



This preview shows how white text looks on a background with the XYZ color 38.1583, 37.7927,

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

38.1583, 37.7927, 77.2351

Protanopia

38.7204, 37.8337, 76.4960

Deuteranopia

38.6787, 37.7964, 77.2083



Tritanopia

33.0252, 37.9134, 51.4763

Trichromacy



Original Color

38.1583, 37.7927, 77.2351

Protanomaly

38.3649, 37.6504, 76.4794

Deuteranomaly

38.5017, 37.7051, 77.2001

Tritanomaly

34.7666, 37.7803, 60.1035

Monochromacy



Original Color

38.1583, 37.7927, 77.2351

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.9554, 37.2067, 52.3003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1583, 37.7927, 77.2351 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(142, 164, 226)` looks like.

```
.text, #text, p{  
    color:rgb(142, 164, 226)  
}
```

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(142, 164, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 164, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.1583, 37.7927, 77.2351 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(142, 164, 226) }
```


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

```
.border{ border-color:rgb(142, 164, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 164, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(142, 164,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1583, 37.7927, 77.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 164, 226) }
```

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

```
.background{ background-color: rgb(142,  
164, 226) }
```

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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