

Converting Colors

XYZ(39.7287, 38.2985, 89.3345)

Have a look what the booklet for
XYZ(39.7287, 38.2985, 89.3345)
contains.

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Color

**XYZ(39.7837, 38.3650,
89.3128)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA4F2
RGB	138, 164, 242
RGB Percent	54%, 64%, 95%
CMY	0.4588, 0.3569, 0.0510
CMYK	0.43, 0.32, 0.00, 0.05
HSL	225°, 80%, 75%
HSV	225°, 43%, 95%
XYZ	39.7837, 38.3650, 89.3128
YIQ	165.1180, -40.5340, 18.7460

Conversions

Conversions Part 2

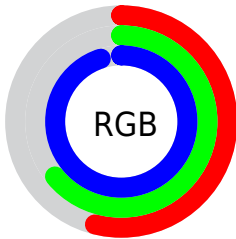
Format	Color
RYB	138, 159, 242
Decimal	9086194
CIELab	68.29, 10.70, -41.89
CIELCh	68, 43.239, 284.333
Yxy	38.3650, 0.2376, 0.2291
Android (android.graphics.Color)	4287276274 (0xFF8AA4F2)
YUV	165.1180, 37.9028, -23.7825
Hunter-Lab	61.9395, 6.2564, -42.1348

Details

The XYZ color **39.7837, 38.3650, 89.3128** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.7626, 69.8257, 34.0581**, and the grayscale version is **35.6598, 37.5169, 40.8559**.

A 20% lighter version of the original color is **65.8872, 69.4851, 104.5471**, and **18.1418, 17.1069, 48.2447** is the 20% darker color. If you saturate the color by 10%, you get **33.1973, 30.4875, 88.1401**, and if you desaturate by 10%, it is **47.7283, 47.6323, 90.6836**.

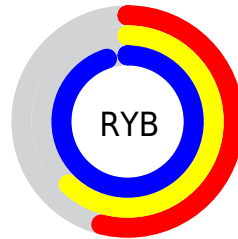
Distribution



Red (54%)

Green (64%)

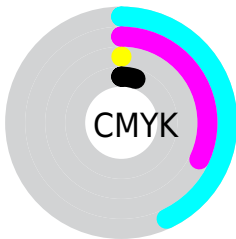
Blue (95%)



Red (54%)

Yellow (62%)

Blue (95%)

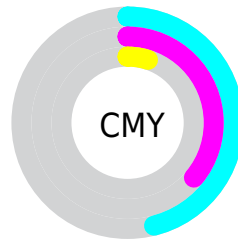


Cyan (43%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (46%)

Magenta (36%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7837, 38.3650, 89.3128 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 39.7837, 38.3650, 89.3128 by changing the saturation by 10% instead.

■ 39.7837, 38.3650,
89.3128

■ 39.7837, 38.3650,
89.3128

336.3611,
339.1831, 546.3052

■ 27.5534, 26.2661,
66.8403

■ 74.1205, 72.6672,
148.3106

■ 18.1280, 17.0228,
48.4941

■ 96.9576, 95.6394,
185.6731

■ 11.1422, 10.2508,
33.8556

124.0611,
123.0047, 228.8359

■ 6.2305, 5.5655,
22.5062

155.7963,
155.1476, 278.2177

■ 3.0278, 2.5827,
14.0275

192.5286,
192.4525, 334.2370

■ 1.1685, 0.9180,
8.0008

234.6232,

■ 0.0812, 0.0000,

235.3038, 397.3123

4.0077

282.4456,
284.0859, 467.8622

■ 0.0000, 0.0000,
1.6296

■ 0.0000, 0.0000,
0.3118

■ 39.7837, 38.3650,
89.3128

■ 39.7837, 38.3650,
89.3128

■ 33.1973, 30.4875,
88.1401

■ 47.7283, 47.6323,
90.6836

■ 27.8856, 23.9255,
87.1535

■ 57.0999, 58.3499,
92.2583

■ 23.7617, 18.6039,
86.3437

■ 67.9672, 70.5798,
94.0462

■ 20.7253, 14.4375,
85.6995

■ 80.3933, 84.3791,
96.0548

■ 18.6575, 11.3282,
85.2084

■ 92.9488, 99.0341,
98.2217

■ 17.6692, 9.6950,
84.9452

■ 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



33.0608, 38.3650, 88.9405



39.7837, 38.3650, 89.3128



46.3406, 38.3650, 74.5218

Triad

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



39.7837, 38.3650, 89.3128



46.5925, 38.3650, 20.7587



25.3108, 38.3650, 32.4914

Complementary

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



39.7837, 38.3650, 89.3128



65.7626, 69.8257, 34.0581

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.



28.1023, 38.3650, 20.3760



39.7837, 38.3650, 89.3128



40.0947, 38.3650, 15.1748

Square

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



39.7837, 38.3650, 89.3128



50.5891, 38.3650, 33.2056



33.3358, 38.3650, 15.0607



25.2494, 38.3650, 51.7000

Rectangle

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



39.7837, 38.3650, 89.3128



49.5031, 38.3650, 60.0936



33.3358, 38.3650, 15.0607



25.9440, 38.3650, 27.6148

Sweetspot

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



39.7851, 38.3664, 89.3137



76.4633, 79.3959, 105.9026



54.6293, 73.8665, 76.3454



15.7551, 16.3099, 22.5677



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.



39.7851, 38.3664, 89.3137



37.9457, 35.0126, 99.3659



40.4269, 32.4820, 88.1441



15.2183, 15.8707, 19.9829



9.5829, 5.3900, 45.6632



0.8736, 0.6012, 3.8242

Inverse Universe

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



52.4085, 39.7361, 40.0308



54.2114, 37.6625, 35.6649



64.6596, 79.9392, 36.0683



15.9349, 15.8237, 17.2133



20.1626, 10.3375, 3.5069



1.7159, 0.8754, 0.4949

Previews

White Background



This preview shows how the XYZ color 39.7837, 38.3650, 89.3128 looks on a white background.

Color Contrast Check

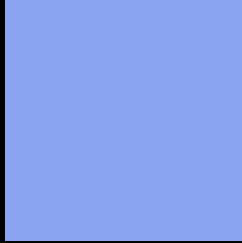
Large Text (above 18pt) WCAG AA × Fail

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 39.7837, 38.3650, 89.3128 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 39.7837, 38.3650, 89.3128

Background



This preview shows how black text looks on a background with the XYZ color 39.7837, 38.3650, 89.3128.



This preview shows how white text looks on a background with the XYZ color 39.7837, 38.3650,

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

39.7837, 38.3650, 89.3128

Protanopia

40.1087, 38.2679, 89.2769

Deuteranopia

39.4738, 38.4720, 89.3497



Tritanopia

32.8275, 38.6192, 53.8682

Trichromacy



Original Color

39.7837, 38.3650, 89.3128

Protanomaly

39.9394, 38.1806, 89.2690

Deuteranomaly

39.6355, 38.5553, 89.3573

Tritanomaly

35.0013, 38.3470, 65.2315

Monochromacy



Original Color

39.7837, 38.3650, 89.3128

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.5983, 37.7291, 55.8056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7837, 38.3650, 89.3128 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(138, 164, 242)` looks like.

```
.text, #text, p{  
    color:rgb(138, 164, 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(138, 164, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 164, 242) }
```

Border

The CSS property to change the border of an element to XYZ 39.7837, 38.3650, 89.3128 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(138, 164, 242) }
```


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

```
.border{ border-color:rgb(138, 164, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 164, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 164, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 164, 242);  
box-shadow:4px 4px 4px 4px rgb(138, 164,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7837, 38.3650, 89.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 164, 242) }
```

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

```
.background{ background-color: rgb(138,  
164, 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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