

Converting Colors

XYZ(39.5283, 38.0953, 88.3244)

Have a look what the booklet for
XYZ(39.5283, 38.0953, 88.3244)
contains.

XYZ(39.4556, 37.9485, 88.4644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4556, 37.9485,
88.4644)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA3F1
RGB	138, 163, 241
RGB Percent	54%, 64%, 95%
CMY	0.4588, 0.3608, 0.0549
CMYK	0.43, 0.32, 0.00, 0.05
HSL	225°, 79%, 74%
HSV	225°, 43%, 95%
XYZ	39.4556, 37.9485, 88.4644
YIQ	164.4170, -39.9380, 18.9580

Conversions

Conversions Part 2

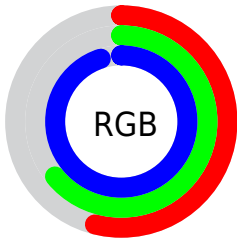
Format	Color
R _Y B	138, 158, 241
Decimal	9085937
CIE Lab	67.98, 10.99, -41.83
CIE LCh	68, 43.246, 284.725
Yxy	37.9485, 0.2379, 0.2288
Android (android.graphics.Color)	4287276017 (0xFF8AA3F1)
YUV	164.4170, 37.7554, -23.1677
Hunter-Lab	61.6024, 6.5231, -42.0221

Details

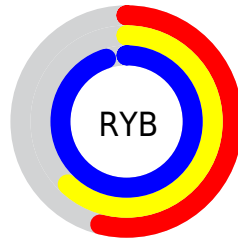
The XYZ color **39.4556, 37.9485, 88.4644** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4204, 69.6493, 34.0421**, and the grayscale version is **35.3256, 37.1653, 40.4730**.

A 20% lighter version of the original color is **65.6271, 68.9649, 104.4604**, and **18.0308, 16.8850, 48.2077** is the 20% darker color. If you saturate the color by 10%, you get **32.8918, 30.0969, 87.2956**, and if you desaturate by 10%, it is **47.3743, 47.1942, 89.8323**.

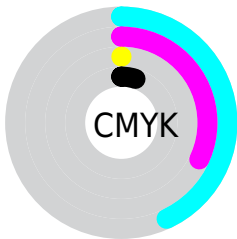
Distribution



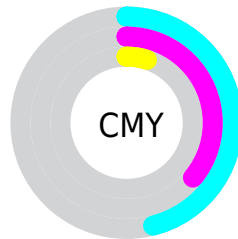
- Red (54%)
- Green (64%)
- Blue (95%)



- 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 39.4556, 37.9485, 88.4644 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 39.4556, 37.9485, 88.4644 by changing the saturation by 10% instead.

■ 39.4556, 37.9485,
88.4644

■ 39.4556, 37.9485,
88.4644

334.9975,
337.3990, 543.4635

■ 27.2967, 25.9427,
66.1412

■ 73.6234, 72.0292,
147.1203

■ 17.9339, 16.7808,
47.9298

■ 96.3630, 94.8729,
184.2902

■ 11.0019, 10.0783,
33.4117

123.3602,
122.0980, 227.2460

■ 6.1354, 5.4509,
22.1684

154.9804,
154.0890, 276.4063

■ 2.9691, 2.5142,
13.7812

191.5888,
191.2302, 332.1897

■ 1.1374, 0.8837,
7.8316

233.5509,

■ 0.0561, 0.0000,

233.9060, 395.0147

3.9012

281.2320,
282.5008, 465.2998

■ 0.0000, 0.0000,
1.5713

■ 0.0000, 0.0000,
0.2702

■ 39.4556, 37.9485,
88.4644

■ 39.4556, 37.9485,
88.4644

■ 32.8918, 30.0969,
87.2956

■ 47.3743, 47.1942,
89.8323

■ 27.5998, 23.5649,
86.3137

■ 56.7164, 57.8950,
91.4054

■ 23.4932, 18.2769,
85.5094

■ 67.5505, 70.1132,
93.1928

■ 20.4722, 14.1471,
84.8715

■ 79.9393, 83.9063,
95.2021

■ 18.4188, 11.0771,
84.3872

■ 92.6407, 98.6576,
97.3800

■ 17.4154, 9.4270,
84.1216

■ 92.8773, 99.1309,
97.4589

Harmonies

Analogous

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



32.7694, 37.9485, 88.3119



39.4556, 37.9485, 88.4644



45.9520, 37.9485, 73.5997

Triad

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



39.4556, 37.9485, 88.4644



46.0551, 37.9485, 20.3586



24.9804, 37.9485, 32.3134

Complementary

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



39.4556, 37.9485, 88.4644



65.4204, 69.6493, 34.0421

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.



27.7153, 37.9485, 20.2025



39.4556, 37.9485, 88.4644



39.5828, 37.9485, 14.9067

Square

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



39.4556, 37.9485, 88.4644



50.0716, 37.9485, 32.6052



32.8818, 37.9485, 14.8603



24.9554, 37.9485, 51.4625

Rectangle

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



39.4556, 37.9485, 88.4644



49.0668, 37.9485, 59.2277



32.8818, 37.9485, 14.8603



25.5967, 37.9485, 27.4426

Sweetspot

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



39.4570, 37.9499, 88.4653



76.3961, 79.2615, 105.8802



54.2357, 73.2341, 75.7369



15.7387, 16.2770, 22.5622



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.



39.4570, 37.9499, 88.4653



38.4751, 35.5261, 99.4371



40.2255, 32.3955, 87.3527



15.2088, 15.8517, 19.9797



9.5316, 5.2874, 45.6461



0.8682, 0.5903, 3.8224

Inverse Universe

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



51.9762, 39.5236, 39.5409



54.6117, 38.3323, 36.2018



64.1417, 79.2315, 35.9591



15.9301, 15.8217, 17.1880



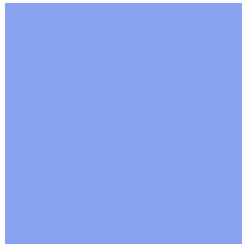
20.1367, 10.3271, 3.3706



1.7132, 0.8743, 0.4804

Previews

White Background



This preview shows how the XYZ color 39.4556, 37.9485, 88.4644 looks on a white background.

Color Contrast Check

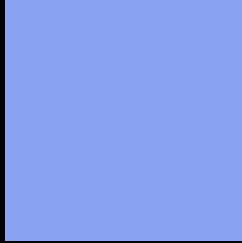
Large Text (above 18pt) WCAG AA × Fail

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 39.4556, 37.9485, 88.4644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

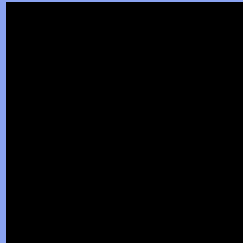
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4556, 37.9485, 88.4644

Background



This preview shows how black text looks on a background with the XYZ color 39.4556, 37.9485, 88.4644.



This preview shows how white text looks on a background with the XYZ color 39.4556, 37.9485,

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

39.4556, 37.9485, 88.4644

Protanopia

39.7896, 38.1207, 88.4800

Deuteranopia

38.9842, 37.9701, 88.4934



Tritanopia

32.4179, 38.1450, 52.6678

Trichromacy



Original Color

39.4556, 37.9485, 88.4644

Protanomaly

39.6218, 38.0342, 88.4721

Deuteranomaly

39.1443, 38.0527, 88.5009

Tritanomaly

34.6905, 37.9216, 64.5227

Monochromacy



Original Color

39.4556, 37.9485, 88.4644

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.3075, 37.3253, 55.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4556, 37.9485, 88.4644 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, 163, 241)` looks like.

```
.text, #text, p{  
    color:rgb(138, 163, 241)  
}
```

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, 163, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 163, 241) }
```

Border

The CSS property to change the border of an element to XYZ 39.4556, 37.9485, 88.4644 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, 163, 241) }
```


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

```
.border{ border-color:rgb(138, 163, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 163, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 163, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 163, 241);  
box-shadow:4px 4px 4px 4px rgb(138, 163,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4556, 37.9485, 88.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 163, 241) }
```

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

```
.background{ background-color: rgb(138,  
163, 241) }
```

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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