

Converting Colors

XYZ(38.8609, 43.2284, 87.9580)

Have a look what the booklet for
XYZ(38.8609, 43.2284, 87.9580)
contains.

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Color

**XYZ(38.9439, 43.4140,
87.9885)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 6EB7EF |
| RGB | 110, 183, 239 |
| RGB Percent | 43%, 72%, 94% |
| CMY | 0.5686, 0.2823, 0.0627 |
| CMYK | 0.54, 0.23, 0.00, 0.06 |
| HSL | 206°, 80%, 68% |
| HSV | 206°, 54%, 94% |
| XYZ | 38.9439, 43.4140, 87.9885 |
| YIQ | 167.5570, -61.4840, 1.9400 |

Conversions

Conversions Part 2

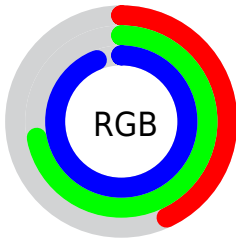
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 110, 157, 239 |
| Decimal | 7256047 |
| CIE Lab | 71.84, -7.23, -34.85 |
| CIE LCh | 72, 35.591, 258.276 |
| Yxy | 43.4140, 0.2286, 0.2549 |
| Android (android.graphics.Color) | 4285446127 (0xFF6EB7EF) |
| YUV | 167.5570, 35.2214, -50.4775 |
| Hunter-Lab | 65.8893, -9.8038, -33.0533 |

Details

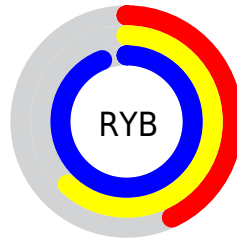
The XYZ color **38.9439, 43.4140, 87.9885** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.0488, 46.7509, 21.0342**, and the grayscale version is **36.8586, 38.7781, 42.2294**.

A 20% lighter version of the original color is **65.2787, 77.3880, 106.1046**, and **17.6121, 19.9420, 47.7207** is the 20% darker color. If you saturate the color by 10%, you get **34.2999, 37.9600, 87.1814**, and if you desaturate by 10%, it is **44.5504, 49.6000, 88.8879**.

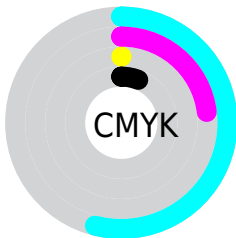
Distribution



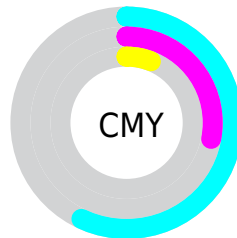
- Red (43%)
- Green (72%)
- Blue (94%)



- Red (43%)
- Yellow (62%)
- Blue (94%)



- Cyan (54%)
- Magenta (23%)
- Yellow (0%)
- Black (6%)



- Cyan (57%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9439, 43.4140, 87.9885 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 38.9439, 43.4140, 87.9885 by changing the saturation by 10% instead.

■ 38.9439, 43.4140,
87.9885

■ 38.9439, 43.4140,
87.9885

332.8632,
360.3116, 541.8659

■ 26.8966, 30.2101,
65.7493

■ 72.8472, 80.3352,
146.4521

■ 17.6318, 19.9981,
47.6137

■ 95.4340, 104.8213,
183.5136

■ 10.7840, 12.3937,
33.1632

■ 122.2646,
133.8369, 226.3530

■ 5.9880, 7.0124,
21.9794

153.7045,
167.7665, 275.3886

■ 2.8784, 3.4698,
13.6436

190.1189,
206.9943, 331.0392

■ 1.0898, 1.3817,
7.7373

231.8732,

■ 0.0165, 0.2032,

251.9048, 393.7233

3.8420

279.3329,
302.8825, 463.8593

■ 0.0000, 0.0000,
1.5390

■ 0.0000, 0.0000,
0.2468

■ 38.9439, 43.4140,
87.9885

■ 38.9439, 43.4140,
87.9885

■ 34.2999, 37.9600,
87.1814

■ 44.5504, 49.6000,
88.8879

■ 30.5445, 33.1924,
86.4591

■ 51.1770, 56.5502,
89.8801

■ 27.5990, 29.0665,
85.8179

■ 58.8815, 64.2998,
90.9699

■ 25.3666, 25.5267,
85.2523

■ 67.7160, 72.8803,
92.1604

■ 24.2787, 23.6292,
84.9434

■ 77.7290, 82.3212,
93.4550

■ 88.9660, 92.6502,
94.8564

■ 92.5801, 99.0121,
95.8939

Harmonies

Analogous

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



33.9931, 43.4140, 76.7634



38.9439, 43.4140, 87.9885



45.0217, 43.4140, 86.5052

Triad

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



38.9439, 43.4140, 87.9885



53.3297, 43.4140, 37.5704



33.1733, 43.4140, 28.3777

Complementary

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



38.9439, 43.4140, 87.9885



52.0488, 46.7509, 21.0342

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.



37.7209, 43.4140, 22.1606



38.9439, 43.4140, 87.9885



49.5035, 43.4140, 26.5039

Square

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



38.9439, 43.4140, 87.9885



53.7391, 43.4140, 54.3713



43.6739, 43.4140, 21.5709



30.8859, 43.4140, 40.8164

Rectangle

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



38.9439, 43.4140, 87.9885



48.9003, 43.4140, 78.5583



43.6739, 43.4140, 21.5709



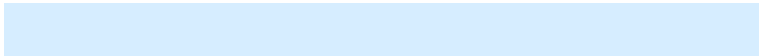
34.4667, 43.4140, 25.6369

Sweetspot

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



38.9454, 43.4156, 87.9896



76.2077, 82.2817, 106.4731



44.1721, 67.7987, 46.7886



15.8479, 17.1640, 22.7277



0.0000, 0.0000, 0.0000



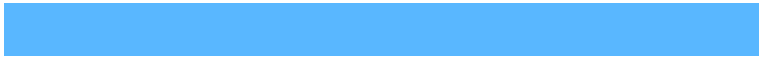
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9454, 43.4156, 87.9896



39.1368, 43.2421, 100.8916



28.5613, 22.6475, 84.5282



15.6396, 16.7133, 20.1233



13.5498, 13.3238, 46.9855



1.2260, 1.3059, 3.9417

Inverse Universe

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



49.7211, 32.9231, 48.5355



53.3852, 31.8672, 48.1621



66.8204, 76.2941, 25.9581



16.1475, 15.9087, 18.3330



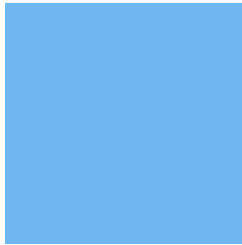
22.1649, 11.1384, 14.0510



1.8938, 0.9465, 1.4314

Previews

White Background



This preview shows how the XYZ color 38.9439, 43.4140, 87.9885 looks on a white background.

Color Contrast Check

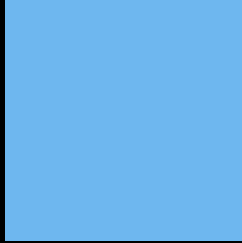
Large Text (above 18pt) WCAG AA × Fail

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 38.9439, 43.4140, 87.9885 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

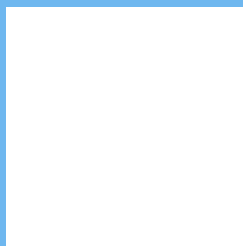
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9439, 43.4140, 87.9885

Background



This preview shows how black text looks on a background with the XYZ color 38.9439, 43.4140, 87.9885.



This preview shows how white text looks on a background with the XYZ color 38.9439, 43.4140,

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

38.9439, 43.4140, 87.9885

Protanopia

43.6654, 43.0276, 81.6050

Deuteranopia

44.1472, 43.1080, 89.2130



Tritanopia

34.1468, 43.3444, 64.3242

Trichromacy



Original Color

38.9439, 43.4140, 87.9885

Protanomaly

41.5579, 43.0475, 83.9606

Deuteranomaly

41.9315, 43.1388, 88.5547

Tritanomaly

35.7742, 43.3752, 72.1324

Monochromacy



Original Color

38.9439, 43.4140, 87.9885

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.7138, 39.9852, 56.8218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9439, 43.4140, 87.9885 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(110, 183, 239)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 239)  
}
```

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(110, 183, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 239) }
```

Border

The CSS property to change the border of an element to XYZ 38.9439, 43.4140, 87.9885 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(110, 183, 239) }
```


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

```
.border{ border-color:rgb(110, 183, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 183, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 239);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9439, 43.4140, 87.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 239) }
```

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

```
.background{ background-color: rgb(110,  
183, 239) }
```

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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