

Converting Colors

XYZ(38.4732, 41.8885, 89.3277)

Have a look what the booklet for
XYZ(38.4732, 41.8885, 89.3277)
contains.

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Color

**XYZ(38.5528, 41.9706,
89.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	6FB3F1
RGB	111, 179, 241
RGB Percent	44%, 70%, 95%
CMY	0.5647, 0.2980, 0.0549
CMYK	0.54, 0.26, 0.00, 0.05
HSL	209°, 82%, 69%
HSV	209°, 54%, 95%
XYZ	38.5528, 41.9706, 89.2883
YIQ	165.7360, -60.4300, 4.8660

Conversions

Conversions Part 2

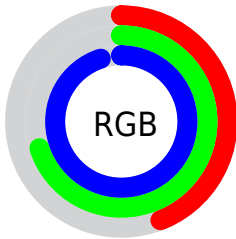
Format	Color
R _Y B	111, 156, 241
Decimal	7320561
CIE Lab	70.85, -4.24, -37.46
CIE LCh	71, 37.697, 263.548
Yxy	41.9706, 0.2270, 0.2472
Android (android.graphics.Color)	4285510641 (0xFF6FB3F1)
YUV	165.7360, 37.1052, -48.0035
Hunter-Lab	64.7847, -7.1495, -36.3660

Details

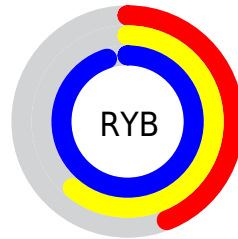
The XYZ color **38.5528, 41.9706, 89.2883** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.0899, 49.7375, 21.7900**, and the grayscale version is **35.9671, 37.8402, 41.2079**.

A 20% lighter version of the original color is **64.3359, 75.1827, 105.7286**, and **17.5186, 19.2859, 48.6982** is the 20% darker color. If you saturate the color by 10%, you get **33.7111, 36.1968, 88.4298**, and if you desaturate by 10%, it is **44.4073, 48.5531, 90.2511**.

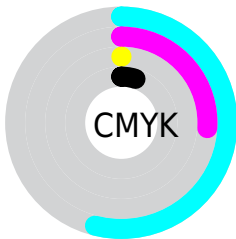
Distribution



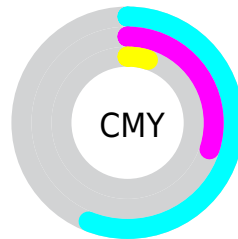
- Red (44%)
- Green (70%)
- Blue (95%)



- Red (44%)
- Yellow (61%)
- Blue (95%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (56%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5528, 41.9706, 89.2883 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 38.5528, 41.9706, 89.2883 by changing the saturation by 10% instead.

■ 38.5528, 41.9706,
89.2883

■ 38.5528, 41.9706,
89.2883

331.2254,
354.3610, 546.2232

■ 26.5912, 29.0783,
66.8201

■ 72.2531, 78.1551,
148.2763

■ 17.4014, 19.1400,
48.4778

■ 94.7225, 102.2161,
185.6332

■ 10.6182, 11.7715,
33.8427

■ 121.4252,
130.7688, 228.7901

■ 5.8761, 6.5883,
22.4964

152.7265,
164.1975, 278.1655

■ 2.8098, 3.2060,
14.0203

188.9918,
202.8867, 334.1780

■ 1.0540, 1.2402,
7.9959

230.5865,

■ 0.0000, 0.0942,

247.2208, 397.2461

4.0046

277.8759,
297.5841, 467.7883

■ 0.0000, 0.0000,
1.6279

■ 0.0000, 0.0000,
0.3106

■ 38.5528, 41.9706,
89.2883

■ 38.5528, 41.9706,
89.2883

■ 33.7111, 36.1968,
88.4298

■ 44.4073, 48.5531,
90.2511

■ 29.8058, 31.1832,
87.6679

■ 51.3347, 55.9797,
91.3195

■ 26.7552, 26.8812,
86.9984

■ 59.3950, 64.2885,
92.4984

■ 24.4592, 23.2316,
86.4149

■ 68.6426, 73.5139,
93.7917

■ 23.3460, 21.2883,
86.0985

■ 79.1278, 83.6877,
95.2028

■ 90.6745, 94.7253,
96.7247

■ 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.



33.1514, 41.9706, 79.4609



38.5528, 41.9706, 89.2883



44.9027, 41.9706, 85.2022

Triad

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



38.5528, 41.9706, 89.2883



51.9907, 41.9706, 33.2505



30.9623, 41.9706, 28.1068

Complementary

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



38.5528, 41.9706, 89.2883



54.0899, 49.7375, 21.7900

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.



35.2683, 41.9706, 20.7994



38.5528, 41.9706, 89.2883



47.4890, 41.9706, 23.1797

Square

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



38.5528, 41.9706, 89.2883



53.1048, 41.9706, 49.6881



41.2614, 41.9706, 19.2674



29.0752, 41.9706, 41.9290

Rectangle

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



38.5528, 41.9706, 89.2883



48.7839, 41.9706, 75.5565



41.2614, 41.9706, 19.2674



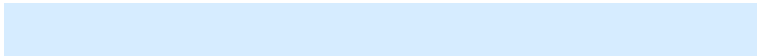
32.1517, 41.9706, 24.9702

Sweetspot

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



38.5543, 41.9721, 89.2893



75.7035, 81.2734, 106.3051



45.4266, 69.2570, 49.8376



15.7278, 16.9237, 22.6876



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.



38.5543, 41.9721, 89.2893



37.7092, 40.3870, 100.4157



28.6031, 22.0697, 85.9723



15.5814, 16.5970, 20.1039



12.7960, 11.8163, 46.7342



1.1641, 1.1822, 3.9210

Inverse Universe

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



50.0980, 33.3259, 46.4414



52.6647, 31.5790, 44.3676



69.3337, 80.2250, 26.8713



16.1182, 15.8970, 18.1785



21.7845, 10.9862, 12.0474



1.8625, 0.9341, 1.2670

Previews

White Background



This preview shows how the XYZ color 38.5528, 41.9706, 89.2883 looks on a white background.

Color Contrast Check

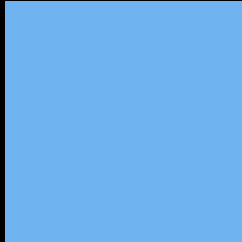
Large Text (above 18pt) WCAG AA × Fail

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 38.5528, 41.9706, 89.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

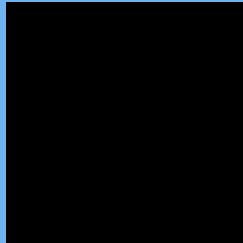
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

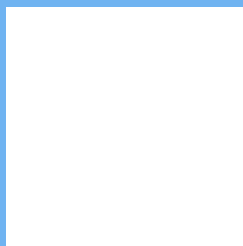
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5528, 41.9706, 89.2883

Background



This preview shows how black text looks on a background with the XYZ color 38.5528, 41.9706, 89.2883.



This preview shows how white text looks on a background with the XYZ color 38.5528, 41.9706,

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

38.5528, 41.9706, 89.2883

Protanopia

42.5524, 41.5600, 83.6210

Deuteranopia

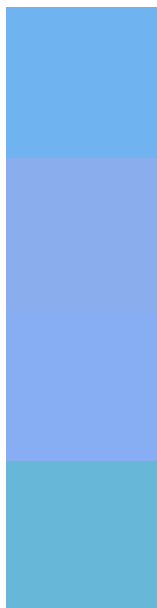
42.9533, 41.8928, 90.6163



Tritanopia

33.0313, 41.8762, 61.6003

Trichromacy



Original Color

38.5528, 41.9706, 89.2883

Protanomaly

40.7109, 41.4048, 85.9670

Deuteranomaly

41.1547, 41.8338, 89.9100

Tritanomaly

34.8076, 41.6496, 71.1704

Monochromacy



Original Color

38.5528, 41.9706, 89.2883

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0426, 39.0871, 56.0970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5528, 41.9706, 89.2883 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(111, 179, 241)` looks like.

```
.text, #text, p{  
    color:rgb(111, 179, 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(111, 179, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 179, 241) }
```

Border

The CSS property to change the border of an element to XYZ 38.5528, 41.9706, 89.2883 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(111, 179, 241) }
```


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

```
.border{ border-color:rgb(111, 179, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 179, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 179, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 179, 241);  
box-shadow:4px 4px 4px 4px rgb(111, 179,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5528, 41.9706, 89.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 179, 241) }
```

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

```
.background{ background-color: rgb(111,  
179, 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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