

Converting Colors

XYZ(39.3701, 43.8200, 93.5727)

Have a look what the booklet for
XYZ(39.3701, 43.8200, 93.5727)
contains.

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Color

**XYZ(39.3686, 43.8184,
93.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	67B8F6
RGB	103, 184, 246
RGB Percent	40%, 72%, 96%
CMY	0.5960, 0.2784, 0.0353
CMYK	0.58, 0.25, 0.00, 0.04
HSL	206°, 89%, 68%
HSV	206°, 58%, 96%
XYZ	39.3686, 43.8184, 93.5716
YIQ	166.8490, -68.1780, 2.1100

Conversions

Conversions Part 2

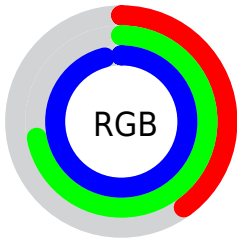
Format	Color
R _Y B	103, 155, 246
Decimal	6797558
CIE Lab	72.11, -7.06, -38.24
CIE LCh	72, 38.885, 259.541
Yxy	43.8184, 0.2227, 0.2479
Android (android.graphics.Color)	4284987638 (0xFF67B8F6)
YUV	166.8490, 39.0214, -55.9956
Hunter-Lab	66.1955, -9.6823, -37.4734

Details

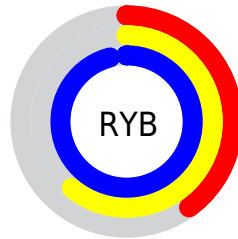
The XYZ color **39.3686, 43.8184, 93.5716** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.9112, 47.4849, 19.1580**, and the grayscale version is **36.4987, 38.3995, 41.8170**.

A 20% lighter version of the original color is **64.3143, 77.3267, 106.1436**, and **17.8083, 20.1679, 51.0983** is the 20% darker color. If you saturate the color by 10%, you get **34.8183, 38.3073, 92.7485**, and if you desaturate by 10%, it is **44.9188, 50.0946, 94.4914**.

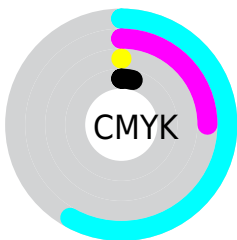
Distribution



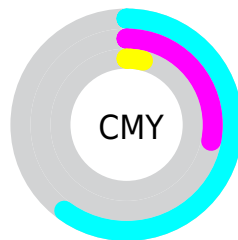
- Red (40%)
- Green (72%)
- Blue (96%)



- Red (40%)
- Yellow (61%)
- Blue (96%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (60%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3686, 43.8184, 93.5716 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 39.3686, 43.8184, 93.5716 by changing the saturation by 10% instead.

■ 39.3686, 43.8184,
93.5716

■ 39.3686, 43.8184,
93.5716

334.6353,
361.9667, 560.4490

■ 27.2286, 30.5278,
70.3564

■ 73.4915, 80.9444,
154.2683

■ 17.8825, 20.2395,
51.3385

■ 96.2052, 105.5486,
192.5868

■ 10.9648, 12.5693,
36.0995

■ 123.1742,
134.6927, 236.7769

■ 6.1103, 7.1326,
24.2207

154.7637,
168.7612, 287.2570

■ 2.9536, 3.5452,
15.2837

191.3393,
208.1385, 344.4458

■ 1.1293, 1.4225,
8.8699

233.2661,

■ 0.0494, 0.2333,

253.2089, 408.7617

4.5608

280.9097,
304.3568, 480.6232

■ 0.0000, 0.0000,
1.9378

■ 0.0000, 0.0000,
0.5166

■ 39.3686, 43.8184,
93.5716

■ 39.3686, 43.8184,
93.5716

■ 34.8183, 38.3073,
92.7485

■ 44.9188, 50.0946,
94.4914

■ 31.1845, 33.5104,
92.0142

■ 51.5340, 57.1723,
95.5088

■ 28.3763, 29.3761,
91.3642

■ 59.2785, 65.0905,
96.6290

■ 26.2673, 25.8334,
90.7915

■ 68.2099, 73.8840,
97.8556

■ 25.9168, 25.2181,
90.6912

■ 78.3819, 83.5851,
99.1920

■ 89.8443, 94.2244,
100.6414

■ 93.6347, 99.4339,
101.4472

Harmonies

Analogous

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



33.8859, 43.8184, 81.3703



39.3686, 43.8184, 93.5716



46.0754, 43.8184, 91.2386

Triad

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



39.3686, 43.8184, 93.5716



54.9052, 43.8184, 36.4751



32.6527, 43.8184, 27.6662

Complementary

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



39.3686, 43.8184, 93.5716



53.9112, 47.4849, 19.1580

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.



37.5139, 43.8184, 20.8420



39.3686, 43.8184, 93.5716



50.5134, 43.8184, 24.9105

Square

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



39.3686, 43.8184, 93.5716



55.5380, 43.8184, 54.6757



44.0139, 43.8184, 19.9894



30.2916, 43.8184, 41.3640

Rectangle

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



39.3686, 43.8184, 93.5716



50.3351, 43.8184, 81.9101



44.0139, 43.8184, 19.9894



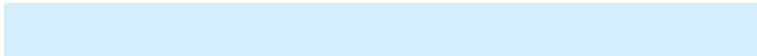
34.0229, 43.8184, 24.6666

Sweetspot

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



39.3701, 43.8200, 93.5727



75.1550, 81.2738, 106.3341



45.3394, 71.5117, 46.9972



15.6396, 16.9635, 22.6999



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.



39.3701, 43.8200, 93.5727



36.9126, 40.4616, 100.4721



28.0831, 21.2459, 89.8103



16.3602, 17.4846, 21.0552



13.9754, 13.7446, 48.4544



1.3304, 1.4122, 4.2927

Inverse Universe

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



51.5094, 32.7558, 48.9565



51.8555, 29.6966, 44.9117



70.5854, 80.8333, 24.7161



16.8924, 16.6398, 19.1798



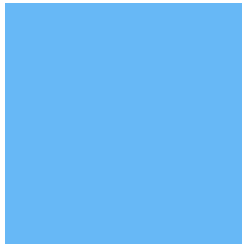
22.8586, 11.4869, 14.4959



2.0606, 1.0302, 1.5454

Previews

White Background



This preview shows how the XYZ color 39.3686, 43.8184, 93.5716 looks on a white background.

Color Contrast Check

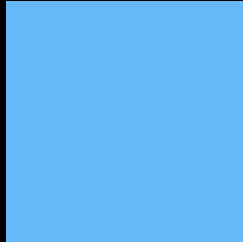
Large Text (above 18pt) WCAG AA × Fail

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 39.3686, 43.8184, 93.5716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

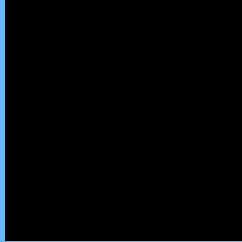
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3686, 43.8184, 93.5716

Background



This preview shows how black text looks on a background with the XYZ color 39.3686, 43.8184, 93.5716.

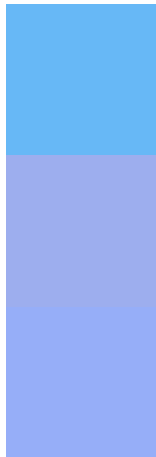


This preview shows how white text looks on a background with the XYZ color 39.3686, 43.8184,

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

39.3686, 43.8184, 93.5716

Protanopia

44.4733, 43.6132, 86.9631

Deuteranopia

44.6570, 43.5334, 94.8561



Tritanopia

33.8238, 43.7928, 65.7016

Trichromacy



Original Color

39.3686, 43.8184, 93.5716

Protanomaly

42.1141, 43.5100, 89.3977

Deuteranomaly

42.3818, 43.5427, 94.1665

Tritanomaly

35.5486, 43.5141, 74.9321

Monochromacy



Original Color

39.3686, 43.8184, 93.5716

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4090, 39.8020, 57.9881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3686, 43.8184, 93.5716 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(103, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(103, 184, 246)  
}
```

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(103, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 184, 246) }
```

Border

The CSS property to change the border of an element to XYZ 39.3686, 43.8184, 93.5716 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(103, 184, 246) }
```


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

```
.border{ border-color:rgb(103, 184, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(103, 184,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3686, 43.8184, 93.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 184, 246) }
```

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

```
.background{ background-color: rgb(103,  
184, 246) }
```

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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