

Converting Colors

XYZ(39.0913, 44.5650, 85.9745)

Have a look what the booklet for
XYZ(39.0913, 44.5650, 85.9745)
contains.

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Color

**XYZ(39.0059, 44.4252,
85.8760)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBAEC
RGB	109, 186, 236
RGB Percent	43%, 73%, 93%
CMY	0.5725, 0.2706, 0.0745
CMYK	0.54, 0.21, 0.00, 0.07
HSL	204°, 77%, 68%
HSV	204°, 54%, 93%
XYZ	39.0059, 44.4252, 85.8760
YIQ	168.6770, -61.9420, -0.7740

Conversions

Conversions Part 2

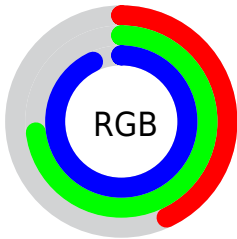
Format	Color
R _{YB}	109, 157, 236
Decimal	7191276
CIE _{Lab}	72.51, -9.95, -32.18
CIE _{LCh}	73, 33.683, 252.815
Yxy	44.4252, 0.2304, 0.2624
Android (android.graphics.Color)	4285381356 (0xFF6DBAEC)
YUV	168.6770, 33.1902, -52.3367
Hunter-Lab	66.6522, -12.1805, -29.7338

Details

The XYZ color **39.0059, 44.4252, 85.8760** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.7519, 43.7349, 20.2891**, and the grayscale version is **37.4173, 39.3659, 42.8695**.

A 20% lighter version of the original color is **65.9506, 79.0491, 106.3898**, and **17.6645, 20.6058, 46.2263** is the 20% darker color. If you saturate the color by 10%, you get **34.5890, 39.3370, 85.1275**, and if you desaturate by 10%, it is **44.3324, 50.1730, 86.7055**.

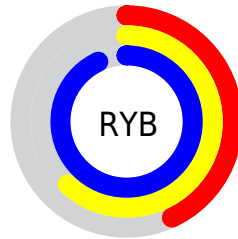
Distribution



Red (43%)

Green (73%)

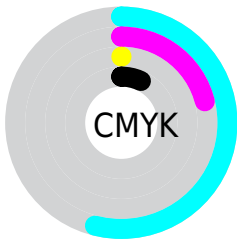
Blue (93%)



Red (43%)

Yellow (62%)

Blue (93%)

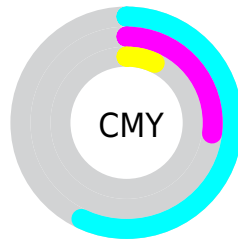


Cyan (54%)

Magenta (21%)

Yellow (0%)

Black (7%)



Cyan (57%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0059, 44.4252, 85.8760 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 39.0059, 44.4252, 85.8760 by changing the saturation by 10% instead.

■ 39.0059, 44.4252,
85.8760

■ 39.0059, 44.4252,
85.8760

333.1223,
364.4406, 534.7422

■ 26.9451, 31.0049,
64.0111

■ 72.9413, 81.8572,
143.4814

■ 17.6683, 20.6026,
46.2135

■ 95.5467, 106.6377,
180.0591

■ 10.8104, 12.8338,
32.0644

■ 122.3975,
135.9737, 222.3781

■ 6.0058, 7.3142,
21.1455

153.8593,
170.2497, 270.8570

■ 2.8893, 3.6594,
13.0381

190.2973,
209.8499, 325.9143

■ 1.0955, 1.4849,
7.3238

232.0769,

■ 0.0214, 0.2781,

255.1589, 387.9686

3.5839

279.5634,
306.5610, 457.4384

■ 0.0000, 0.0000,
1.4000

■ 0.0000, 0.0000,
0.1417

■ 39.0059, 44.4252,
85.8760

■ 39.0059, 44.4252,
85.8760

■ 34.5890, 39.3370,
85.1275

■ 44.3324, 50.1730,
86.7055

■ 31.0107, 34.8657,
84.4531

■ 50.6230, 56.6094,
87.6163

■ 28.1963, 30.9699,
83.8494

■ 57.9332, 63.7672,
88.6126

■ 26.0529, 27.5980,
83.3116

■ 66.3126, 71.6752,
89.6974

■ 24.9761, 25.7273,
83.0072

■ 75.8073, 80.3606,
90.8734

■ 86.4606, 89.8487,
92.1433

■ 90.8910, 96.3372,
93.1622

■ 92.1405, 98.8362,
93.5787

Harmonies

Analogous

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



34.5409, 44.4252, 73.5677



39.0059, 44.4252, 85.8760



44.7542, 44.4252, 86.8063

Triad

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



39.0059, 44.4252, 85.8760



54.0956, 44.4252, 41.6097



35.0711, 44.4252, 28.4752

Complementary

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



39.0059, 44.4252, 85.8760



49.7519, 43.7349, 20.2891

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.



39.7926, 44.4252, 23.3796



39.0059, 44.4252, 85.8760



50.9714, 44.4252, 29.7058

Square

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



39.0059, 44.4252, 85.8760



53.8356, 44.4252, 58.4655



45.6161, 44.4252, 23.7712



32.4164, 44.4252, 39.5118

Rectangle

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



39.0059, 44.4252, 85.8760



48.5800, 44.4252, 80.5914



45.6161, 44.4252, 23.7712



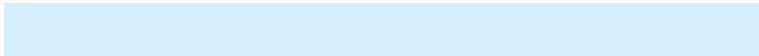
36.4495, 44.4252, 26.1379

Sweetspot

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



39.0074, 44.4268, 85.8771



76.6880, 83.2424, 106.6332



42.4478, 65.7010, 42.6511



15.9626, 17.3933, 22.7659



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.



39.0074, 44.4268, 85.8771



40.5519, 46.0724, 101.3633



28.6332, 23.6785, 82.4190



14.9911, 16.0687, 19.2337



13.8968, 14.4406, 45.7978



1.1845, 1.3205, 3.6273

Inverse Universe

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



48.9249, 32.3169, 50.1152



54.0995, 32.1530, 51.9235



63.2584, 70.7480, 24.7913



15.4491, 15.2075, 17.6501



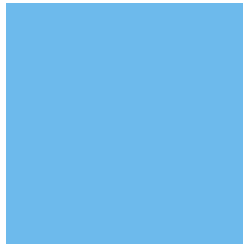
21.8698, 10.9506, 15.6474



1.7644, 0.8787, 1.4767

Previews

White Background



This preview shows how the XYZ color 39.0059, 44.4252, 85.8760 looks on a white background.

Color Contrast Check

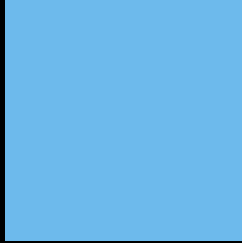
Large Text (above 18pt) WCAG AA × Fail

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 39.0059, 44.4252, 85.8760 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 39.0059, 44.4252, 85.8760

Background



This preview shows how black text looks on a background with the XYZ color 39.0059, 44.4252, 85.8760.

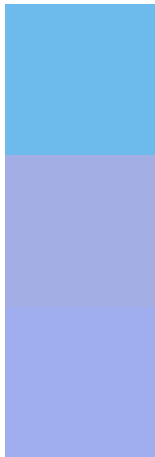


This preview shows how white text looks on a background with the XYZ color 39.0059, 44.4252,

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

39.0059, 44.4252, 85.8760

Protanopia

44.4378, 44.0479, 79.5588

Deuteranopia

45.2132, 43.9777, 87.7669



Tritanopia

34.9303, 44.3633, 65.7534

Trichromacy



Original Color

39.0059, 44.4252, 85.8760

Protanomaly

41.8716, 43.8494, 81.8582

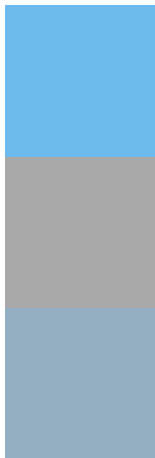
Deuteranomaly

42.3375, 43.6766, 87.0879

Tritanomaly

36.3320, 44.2819, 72.9620

Monochromacy



Original Color

39.0059, 44.4252, 85.8760

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.9882, 40.7132, 56.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0059, 44.4252, 85.8760 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(109, 186, 236)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 236)  
}
```

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(109, 186, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 236) }
```

Border

The CSS property to change the border of an element to XYZ 39.0059, 44.4252, 85.8760 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(109, 186, 236) }
```


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

```
.border{ border-color:rgb(109, 186, 236) }
```

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

Here you see how a box with a 4 pixel rgb(109, 186, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 236);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0059, 44.4252, 85.8760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 236) }
```

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

```
.background{ background-color: rgb(109,  
186, 236) }
```

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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