

# Converting Colors

XYZ(39.5095, 43.7992, 86.0369)

Have a look what the booklet for  
XYZ(39.5095, 43.7992, 86.0369)  
contains.

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# Color

**XYZ(39.4099, 43.7050,  
85.7157)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75B7EC
RGB	117, 183, 236
RGB Percent	46%, 72%, 93%
CMY	0.5412, 0.2823, 0.0745
CMYK	0.50, 0.22, 0.00, 0.07
HSL	207°, 76%, 69%
HSV	207°, 50%, 93%
XYZ	39.4099, 43.7050, 85.7157
YIQ	169.3080, -56.3490, 2.4910

# Conversions

## Conversions Part 2

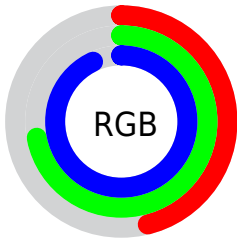
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	117, 159, 236
Decimal	7714796
CIE Lab	72.03, -6.60, -32.89
CIE LCh	72, 33.549, 258.653
Yxy	43.7050, 0.2334, 0.2589
Android (android.graphics.Color)	4285904876 (0xFF75B7EC)
YUV	169.3080, 32.8792, -45.8741
Hunter-Lab	66.1098, -9.2832, -30.5966

# Details

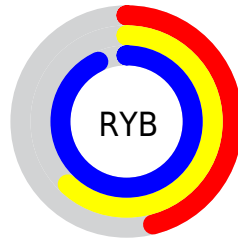
The XYZ color **39.4099, 43.7050, 85.7157** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.1790, 47.8683, 23.3206**, and the grayscale version is **37.7281, 39.6929, 43.2256**.

A 20% lighter version of the original color is **66.5957, 78.0670, 106.1662**, and **17.9082, 20.1304, 46.1217** is the 20% darker color. If you saturate the color by 10%, you get **34.5421, 38.0972, 84.8907**, and if you desaturate by 10%, it is **45.2418, 50.0519, 86.6342**.

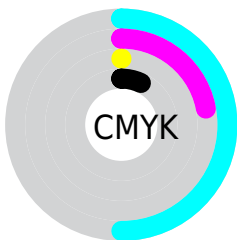
# Distribution



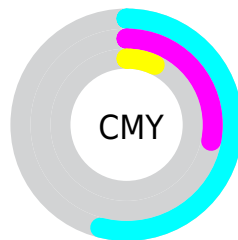
- Red (46%)
- Green (72%)
- Blue (93%)



- Red (46%)
- Yellow (62%)
- Blue (93%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (54%)
- Magenta (28%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4099, 43.7050, 85.7157 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 39.4099, 43.7050, 85.7157 by changing the saturation by 10% instead.



■ 39.4099, 43.7050,  
85.7157

■ 39.4099, 43.7050,  
85.7157

334.8073,  
361.5031, 534.1995

■ 27.2609, 30.4387,  
63.8794

■ 73.5542, 80.7737,  
143.2557

■ 17.9069, 20.1718,  
46.1074

■ 96.2801, 105.3448,  
179.7965

■ 10.9824, 12.5200,  
31.9813

■ 123.2625,  
134.4529, 222.0758

■ 6.1222, 7.0988,  
21.0825

154.8666,  
168.4825, 270.5122

■ 2.9609, 3.5240,  
12.9925

191.4577,  
207.8179, 325.5242

■ 1.1331, 1.4110,  
7.2927

233.4013,

■ 0.0526, 0.2248,

252.8436, 387.5304

3.5646

281.0628,  
303.9438, 456.9494

■ 0.0000, 0.0000,  
1.3897

■ 0.0000, 0.0000,  
0.1336

■ 39.4099, 43.7050,  
85.7157

■ 39.4099, 43.7050,  
85.7157

■ 34.5421, 38.0972,  
84.8907

■ 45.2418, 50.0519,  
86.6342

■ 30.5692, 33.1850,  
84.1519

■ 52.0915, 57.1681,  
87.6468

■ 27.4188, 28.9266,  
83.4960

■ 60.0141, 65.0877,  
88.7578

■ 25.0037, 25.2713,  
82.9178

■ 69.0587, 73.8408,  
89.9707

■ 23.2422, 22.2596,  
82.4293

■ 79.2716, 83.4559,  
91.2883

■ 89.3572, 93.2696,  
92.6509

■ 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.



34.6782, 43.7050, 75.4254



39.4099, 43.7050, 85.7157



45.1649, 43.7050, 84.1842

# Triad

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



39.4099, 43.7050, 85.7157



52.8789, 43.7050, 38.1914



33.8054, 43.7050, 29.6368

# Complementary

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



39.4099, 43.7050, 85.7157



52.1790, 47.8683, 23.3206

# 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.



38.1149, 43.7050, 23.5134



39.4099, 43.7050, 85.7157



49.2527, 43.7050, 27.6113

# Square

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



39.4099, 43.7050, 85.7157



53.3068, 43.7050, 54.0699



43.7461, 43.7050, 22.8690



31.6467, 43.7050, 41.6448



# Rectangle

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



39.4099, 43.7050, 85.7157



48.8094, 43.7050, 76.7293



43.7461, 43.7050, 22.8690



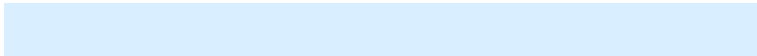
35.0313, 43.7050, 26.9531

# Sweetspot

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



39.4114, 43.7066, 85.7168



77.1551, 83.0617, 106.5737



44.4537, 66.6223, 47.8413



16.0302, 17.3090, 22.7460



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

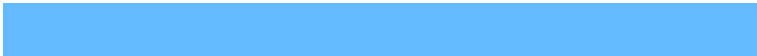


# Same Dimension

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



39.4114, 43.7066, 85.7168



40.7451, 44.8986, 101.1265



29.8031, 24.4901, 82.5140



14.9240, 15.9344, 19.2113



12.9426, 12.5322, 45.4798



1.1120, 1.1756, 3.6032



# Inverse Universe

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



49.5019, 33.9759, 48.7503



54.5779, 33.8025, 49.9471



65.5658, 74.6418, 27.7829



15.4152, 15.1939, 17.4716



21.3881, 10.7579, 13.1112



1.7278, 0.8641, 1.2840



# Previews

## White Background



This preview shows how the XYZ color 39.4099, 43.7050, 85.7157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

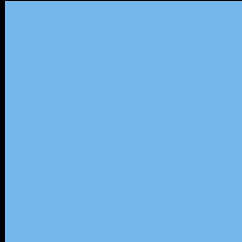
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4099, 43.7050, 85.7157 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

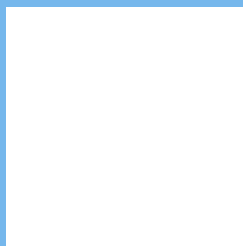
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4099, 43.7050, 85.7157**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4099, 43.7050, 85.7157.



This preview shows how white text looks on a background with the XYZ color 39.4099, 43.7050,



# 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

39.4099, 43.7050, 85.7157

### Protanopia

43.9769, 43.5063, 80.2085

### Deuteranopia

44.4767, 43.3293, 86.9081



## Tritanopia

35.0405, 43.8190, 63.7378

# Trichromacy



## Original Color

39.4099, 43.7050, 85.7157

## Protanomaly

41.9647, 43.2902, 82.4880

## Deuteranomaly

42.3359, 43.3983, 86.2661

## Tritanomaly

36.5954, 43.8135, 71.4938

# Monochromacy



## Original Color

39.4099, 43.7050, 85.7157

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

37.3394, 40.6064, 56.3219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4099, 43.7050, 85.7157 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(117, 183, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 183, 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(117, 183, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 183, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4099, 43.7050, 85.7157 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".

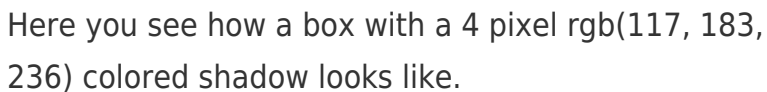
```
.border, #border, table{ border:4px solid rgb(117, 183, 236) }
```



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

```
.border{ border-color:rgb(117, 183, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 183, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 183, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 183, 236); box-shadow:4px 4px 4px 4px rgb(117, 183, 236) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4099, 43.7050, 85.7157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 183, 236) }
```

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

```
.background{ background-color: rgb(117,  
183, 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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