

Converting Colors

XYZ(39.9475, 48.4413, 86.6905)

Have a look what the booklet for
XYZ(39.9475, 48.4413, 86.6905)
contains.

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Color

**XYZ(39.9304, 48.4754,
86.6090)**

Conversions

Conversions Part 1

Format	Color
Hex	60C5EC
RGB	96, 197, 236
RGB Percent	38%, 77%, 93%
CMY	0.6235, 0.2274, 0.0745
CMYK	0.59, 0.17, 0.00, 0.07
HSL	197°, 79%, 65%
HSV	197°, 59%, 93%
XYZ	39.9304, 48.4754, 86.6090
YIQ	171.2470, -72.7150, -9.2830

Conversions

Conversions Part 2

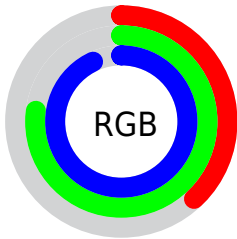
Format	Color
RYB	96, 155, 236
Decimal	6342124
CIELab	75.12, -18.30, -28.20
CIELCh	75, 33.616, 237.021
Yxy	48.4754, 0.2282, 0.2770
Android (android.graphics.Color)	4284532204 (0xFF60C5EC)
YUV	171.2470, 31.9232, -65.9916
Hunter-Lab	69.6243, -19.4705, -25.0167

Details

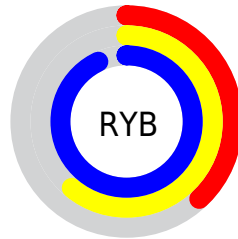
The XYZ color **39.9304, 48.4754, 86.6090** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3688, 36.0071, 15.6269**, and the grayscale version is **38.7051, 40.7208, 44.3449**.

A 20% lighter version of the original color is **67.3964, 85.2717, 107.5147**, and **18.1859, 23.0047, 46.6619** is the 20% darker color. If you saturate the color by 10%, you get **36.3498, 44.4624, 86.0241**, and if you desaturate by 10%, it is **44.3243, 53.0062, 87.2529**.

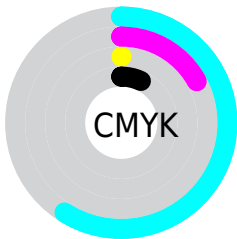
Distribution



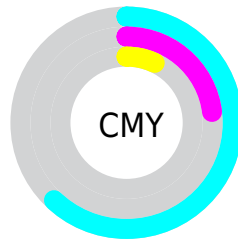
- Red (38%)
- Green (77%)
- Blue (93%)



- Red (38%)
- Yellow (61%)
- Blue (93%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (62%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9304, 48.4754, 86.6090 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 39.9304, 48.4754, 86.6090 by changing the saturation by 10% instead.

■ 39.9304, 48.4754,
86.6090

■ 39.9304, 48.4754,
86.6090

336.9696,
380.6734, 537.2200

■ 27.6683, 34.2035,
64.6139

■ 74.3425, 87.9118,
144.5131

■ 18.2149, 23.0500,
46.6987

■ 97.2232, 113.8451,
181.2592

■ 11.2050, 14.6304,
32.4449

■ 124.3741,
144.4344, 223.7593

■ 6.2732, 8.5604,
21.4339

■ 156.1606,
180.0639, 272.4320

■ 3.0541, 4.4556,
13.2472

192.9481,
221.1182, 327.6960

■ 1.1825, 1.9315,
7.4663

235.1018,

■ 0.0925, 0.5672,

267.9817, 389.9696

3.6725

282.9872,
321.0386, 459.6714

■ 0.0000, 0.0000,
1.4475

■ 0.0000, 0.0000,
0.1783

■ 39.9304, 48.4754,
86.6090

■ 39.9304, 48.4754,
86.6090

■ 36.3498, 44.4624,
86.0241

■ 44.3243, 53.0062,
87.2529

■ 33.5080, 40.9248,
85.4910

■ 49.5881, 58.0824,
87.9552

■ 31.3240, 37.8205,
85.0069

■ 55.7784, 63.7352,
88.7201

■ 29.6680, 35.0813,
84.5655

■ 62.9455, 69.9917,
89.5500

■ 29.5637, 34.9025,
84.5365

■ 71.1361, 76.8772,
90.4473

■ 80.3936, 84.4151,
91.4143

■ 88.4380, 91.4311,
92.3446

■ 90.4411, 95.4374,
93.0123

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

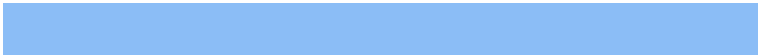
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3189, 48.4754, 69.7187



39.9304, 48.4754, 86.6090



45.4624, 48.4754, 94.3602

Triad

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



39.9304, 48.4754, 86.6090



58.9269, 48.4754, 54.5616



40.9061, 48.4754, 27.9872

Complementary

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



39.9304, 48.4754, 86.6090



45.3688, 36.0071, 15.6269

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.



46.6919, 48.4754, 25.6618



39.9304, 48.4754, 86.6090



57.4369, 48.4754, 38.8368

Square

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



39.9304, 48.4754, 86.6090



56.7278, 48.4754, 73.4545



52.8184, 48.4754, 29.1565



36.8460, 48.4754, 36.4041

Rectangle

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



39.9304, 48.4754, 86.6090



49.6248, 48.4754, 92.2574



52.8184, 48.4754, 29.1565



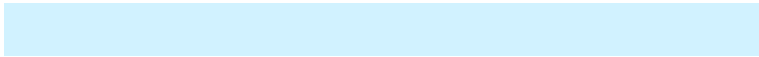
42.6975, 48.4754, 26.5615

Sweetspot

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



39.9320, 48.4772, 86.6102



76.1885, 84.4214, 106.8871



39.0775, 64.1816, 32.6419



15.7371, 17.5810, 22.8140



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.



39.9320, 48.4772, 86.6102



42.5975, 52.1286, 102.4244



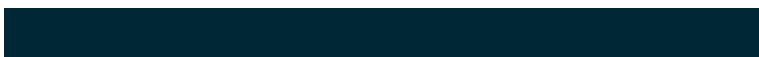
27.7722, 24.1577, 82.5569



15.1424, 16.3712, 19.2841



16.4103, 19.4676, 46.6357



1.3688, 1.6892, 3.6888

Inverse Universe

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



48.8543, 30.2314, 56.0854



54.6524, 30.5377, 60.4964



58.1394, 61.5484, 19.8837



15.5254, 15.2380, 18.0522



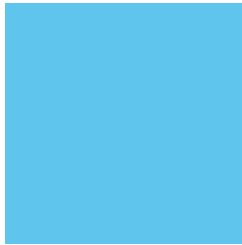
23.1384, 11.4581, 22.3282



1.8574, 0.9159, 1.9666

Previews

White Background



This preview shows how the XYZ color 39.9304, 48.4754, 86.6090 looks on a white background.

Color Contrast Check

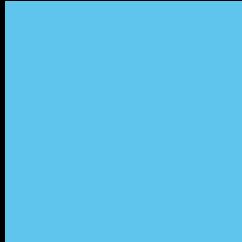
Large Text (above 18pt) WCAG AA × Fail

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 39.9304, 48.4754, 86.6090 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 39.9304, 48.4754, 86.6090

Background



This preview shows how black text looks on a background with the XYZ color 39.9304, 48.4754, 86.6090.



This preview shows how white text looks on a background with the XYZ color 39.9304, 48.4754,

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

39.9304, 48.4754, 86.6090

Protanopia

47.7741, 47.8908, 77.9600

Deuteranopia

49.2653, 48.1097, 89.1276



Tritanopia

37.2032, 48.3930, 73.0256

Trichromacy



Original Color

39.9304, 48.4754, 86.6090

Protanomaly

43.7672, 47.3088, 80.9535

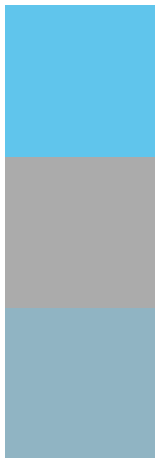
Deuteranomaly

44.8519, 47.7019, 88.5048

Tritanomaly

38.1924, 48.4528, 77.8604

Monochromacy



Original Color

39.9304, 48.4754, 86.6090

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.6732, 42.5119, 57.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9304, 48.4754, 86.6090 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(96, 197, 236)` looks like.

```
.text, #text, p{  
    color:rgb(96, 197, 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(96, 197, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 197, 236) }
```

Border

The CSS property to change the border of an element to XYZ 39.9304, 48.4754, 86.6090 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(96, 197, 236) }
```


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

```
.border{ border-color:rgb(96, 197, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 197, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 197, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 197, 236);  
box-shadow:4px 4px 4px 4px rgb(96, 197,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9304, 48.4754, 86.6090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 197, 236) }
```

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

```
.background{ background-color: rgb(96, 197,  
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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