

# Converting Colors

XYZ(39.2684, 48.1705, 95.0521)

Have a look what the booklet for  
XYZ(39.2684, 48.1705, 95.0521)  
contains.

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# Color

**XYZ(39.3665, 48.3325,  
95.2500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44C6F7
RGB	68, 198, 247
RGB Percent	27%, 78%, 97%
CMY	0.7333, 0.2235, 0.0314
CMYK	0.72, 0.20, 0.00, 0.03
HSL	196°, 92%, 62%
HSV	196°, 72%, 97%
XYZ	39.3665, 48.3325, 95.2500
YIQ	164.7160, -93.2090, -12.3210

# Conversions

## Conversions Part 2

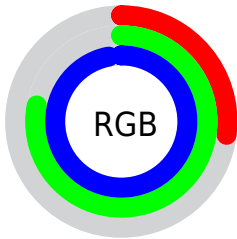
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 143, 247
Decimal	4507383
CIELab	75.03, -19.68, -34.32
CIElCh	75, 39.566, 240.167
Yxy	48.3325, 0.2152, 0.2642
Android (android.graphics.Color)	4282697463 (0xFF44C6F7)
YUV	164.7160, 40.5660, -84.8199
Hunter-Lab	69.5216, -20.5874, -32.5668

# Details

The XYZ color **39.3665, 48.3325, 95.2500** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.7646, 32.9172, 9.4125**, and the grayscale version is **35.4746, 37.3220, 40.6437**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **19.2675, 23.6642, 52.2673** is the 20% darker color. If you saturate the color by 10%, you get **36.4815, 44.6026, 94.6831**, and if you desaturate by 10%, it is **43.0489, 52.5776, 95.8763**.

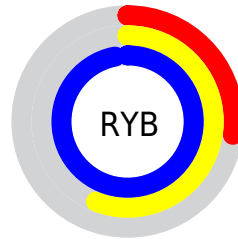
# Distribution



Red (27%)

Green (78%)

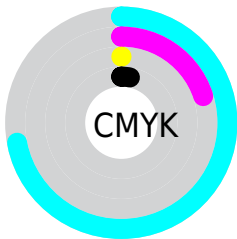
Blue (97%)



Red (27%)

Yellow (56%)

Blue (97%)

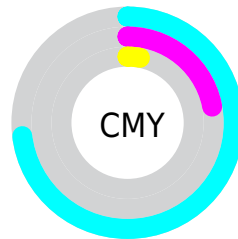


Cyan (72%)

Magenta (20%)

Yellow (0%)

Black (3%)



Cyan (73%)

Magenta (22%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3665, 48.3325, 95.2500 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 39.3665, 48.3325, 95.2500 by changing the saturation by 10% instead.



■ 39.3665, 48.3325,  
95.2500

■ 39.3665, 48.3325,  
95.2500

334.6266,  
380.1086, 565.9698

■ 27.2270, 34.0903,  
71.7450

■ 73.4884, 87.6993,  
156.6085

■ 17.8812, 22.9630,  
52.4649

■ 96.2014, 113.5926,  
195.2991

■ 10.9639, 14.5662,  
36.9909

■ 123.1697,  
144.1384, 239.8887

■ 6.1097, 8.5155,  
24.9047

■ 154.7585,  
179.7211, 290.7957

■ 2.9532, 4.4265,  
15.7877

191.3332,  
220.7250, 348.4388

■ 1.1291, 1.9149,  
9.2213

233.2593,

■ 0.0492, 0.5573,

267.5347, 413.2365

4.7871

280.9019,  
320.5344, 485.6073

■ 0.0000, 0.0000,  
2.0663

■ 0.0000, 0.0000,  
0.5956

■ 39.3665, 48.3325,  
95.2500

■ 39.3665, 48.3325,  
95.2500

■ 36.4815, 44.6026,  
94.6831

■ 43.0489, 52.5776,  
95.8763

■ 34.2899, 41.3304,  
94.1670

■ 47.6056, 57.3764,  
96.5624

■ 32.9858, 39.1097,  
93.8071

■ 53.1095, 62.7685,  
97.3130

■ 59.6242, 68.7878,  
98.1315

■ 67.2074, 75.4655,  
99.0208

■ 75.9124, 82.8302,  
99.9835

■ 85.7886, 90.9086,  
101.0222

■ 92.8694, 97.6569,  
101.9516

■ 93.7887, 99.4955,  
102.2580

# Harmonies

## Analogous

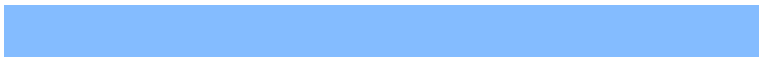
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9412, 48.3325, 75.2659



39.3665, 48.3325, 95.2500



45.9791, 48.3325, 103.2993

# Triad

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



39.3665, 48.3325, 95.2500



61.2832, 48.3325, 52.5099



39.3032, 48.3325, 25.1720

# Complementary

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



39.3665, 48.3325, 95.2500



45.7646, 32.9172, 9.4125

# 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.



45.8981, 48.3325, 22.0172



39.3665, 48.3325, 95.2500



59.0307, 48.3325, 35.0528

# Square

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



39.3665, 48.3325, 95.2500



59.0786, 48.3325, 75.0110



53.2042, 48.3325, 25.1010



34.9074, 48.3325, 35.2064



# Rectangle

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



39.3665, 48.3325, 95.2500



50.8980, 48.3325, 99.5214



53.2042, 48.3325, 25.1010



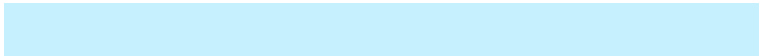
41.3123, 48.3325, 23.4104

# Sweetspot

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



39.3681, 48.3342, 95.2512



72.6316, 81.4583, 106.5027



38.7834, 69.0067, 27.7203



15.0441, 17.0008, 22.7385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

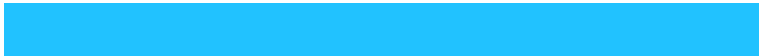


# Same Dimension

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



39.3681, 48.3342, 95.2512



38.0335, 46.2487, 101.5301



24.7254, 19.0486, 90.3703



16.5907, 17.9457, 21.1320



17.5695, 20.9328, 49.6524



1.6296, 2.0106, 4.3924



# Inverse Universe

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



50.6194, 27.9875, 56.1618



51.5557, 26.2631, 53.5488



61.2901, 63.9681, 14.5876



17.0087, 16.6863, 19.7926



24.6728, 12.2126, 24.0490

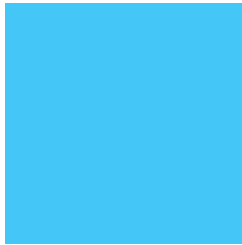


2.2116, 1.0906, 2.3406



# Previews

## White Background



This preview shows how the XYZ color 39.3665, 48.3325, 95.2500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

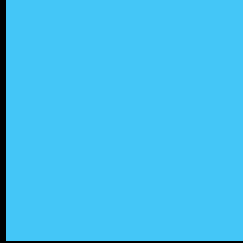
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.3665, 48.3325, 95.2500 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

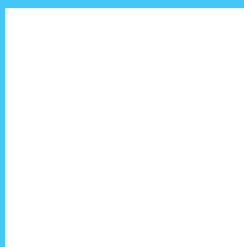
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.3665, 48.3325, 95.2500**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3665, 48.3325, 95.2500.



This preview shows how white text looks on a background with the XYZ color 39.3665, 48.3325,



# 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

39.3665, 48.3325, 95.2500

### Protanopia

48.0968, 47.5920, 85.2485

### Deuteranopia

49.0407, 47.7993, 97.9083



## Tritanopia

35.2688, 48.4072, 74.5025

# Trichromacy



**Original Color**

39.3665, 48.3325, 95.2500

**Protanomaly**

43.0232, 46.7592, 88.4192

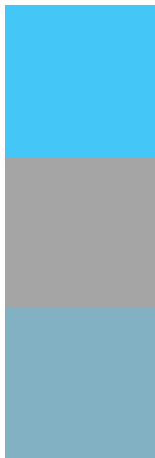
**Deuteranomaly**

43.9277, 47.0320, 97.2053

**Tritanomaly**

36.5508, 48.2147, 81.5087

# Monochromacy



**Original Color**

39.3665, 48.3325, 95.2500

**Achromatopsia**

35.7637, 37.6262, 40.9749

**Achromatomaly**

34.7784, 40.1302, 57.5427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3665, 48.3325, 95.2500 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(68, 198, 247)` looks like.

```
.text, #text, p{  
    color:rgb(68, 198, 247)  
}
```

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(68, 198, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 198, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3665, 48.3325, 95.2500 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(68, 198, 247) }
```



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

```
.border{ border-color:rgb(68, 198, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 198, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 198, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 198, 247);  
box-shadow:4px 4px 4px 4px rgb(68, 198,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3665, 48.3325, 95.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 198, 247) }
```

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

```
.background{ background-color: rgb(68, 198,  
247) }
```

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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