

# Converting Colors

XYZ(38.6407, 45.8950, 95.4247)

Have a look what the booklet for  
XYZ(38.6407, 45.8950, 95.4247)  
contains.

<b>XYZ(38.6946, 45.9724, 95.6411)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.6946, 45.9724,  
95.6411)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BC0F8
RGB	75, 192, 248
RGB Percent	29%, 75%, 97%
CMY	0.7058, 0.2470, 0.0274
CMYK	0.70, 0.23, 0.00, 0.03
HSL	199°, 93%, 63%
HSV	199°, 70%, 97%
XYZ	38.6946, 45.9724, 95.6411
YIQ	163.4010, -87.7080, -7.3880

# Conversions

## Conversions Part 2

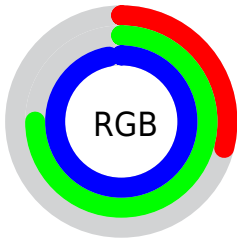
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 145, 248
Decimal	4964600
CIE Lab	73.53, -15.32, -37.18
CIE LCh	74, 40.215, 247.604
Yxy	45.9724, 0.2146, 0.2550
Android (android.graphics.Color)	4283154680 (0xFF4BC0F8)
YUV	163.4010, 41.7073, -77.5277
Hunter-Lab	67.8029, -16.7866, -36.1709

# Details

The XYZ color **38.6946, 45.9724, 95.6411** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.1000, 36.7004, 11.2075**, and the grayscale version is **34.8430, 36.6576, 39.9201**.

A 20% lighter version of the original color is **62.7727, 80.1056, 106.7612**, and **18.6366, 22.2268, 52.5982** is the 20% darker color. If you saturate the color by 10%, you get **35.4045, 41.7312, 94.9968**, and if you desaturate by 10%, it is **42.8396, 50.7987, 96.3551**.

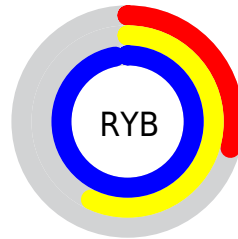
# Distribution



Red (29%)

Green (75%)

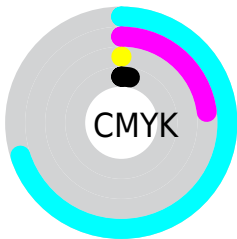
Blue (97%)



Red (29%)

Yellow (57%)

Blue (97%)

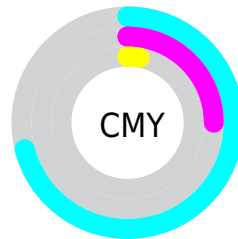


Cyan (70%)

Magenta (23%)

Yellow (0%)

Black (3%)



Cyan (71%)

Magenta (25%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6946, 45.9724, 95.6411 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 38.6946, 45.9724, 95.6411 by changing the saturation by 10% instead.



■ 38.6946, 45.9724,  
95.6411

■ 38.6946, 45.9724,  
95.6411

331.8199,  
370.6977, 567.2520

■ 26.7019, 32.2240,  
72.0688

■ 72.4686, 84.1777,  
157.1532

■ 17.4849, 21.5327,  
52.7277

■ 94.9806, 109.4034,  
195.9301

■ 10.6782, 13.5139,  
37.1992

■ 121.7297,  
139.2237, 240.6124

■ 5.9166, 7.7834,  
25.0648

■ 153.0813,  
174.0230, 291.6184

■ 2.8346, 3.9567,  
15.9059

189.4008,  
214.1856, 349.3669

■ 1.0669, 1.6493,  
9.3039

231.0535,

■ 0.0000, 0.3905,

260.0960, 414.2763

4.8404

278.4047,  
312.1386, 486.7652

■ 0.0000, 0.0000,  
2.0969

■ 0.0000, 0.0000,  
0.6139

■ 38.6946, 45.9724,  
95.6411

■ 38.6946, 45.9724,  
95.6411

■ 35.4045, 41.7312,  
94.9968

■ 42.8396, 50.7987,  
96.3551

■ 32.8693, 38.0189,  
94.4138

■ 47.9146, 56.2485,  
97.1396

■ 30.9386, 34.7563,  
93.8859

■ 53.9913, 62.3620,  
97.9993

■ 30.8944, 34.6793,  
93.8733

■ 61.1329, 69.1735,  
98.9376

■ 69.3969, 76.7149,  
99.9577

■ 78.8364, 85.0157,  
101.0624

■ 89.5012, 94.1034,  
102.2544

■ 93.9435, 99.5574,  
103.0730

# Harmonies

## Analogous

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



33.7418, 45.9724, 77.9257



38.6946, 45.9724, 95.6411



45.5282, 45.9724, 99.7114

# Triad

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



38.6946, 45.9724, 95.6411



58.6827, 45.9724, 45.0553



35.8784, 45.9724, 25.0184

# Complementary

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



38.6946, 45.9724, 95.6411



48.1000, 36.7004, 11.2075

# 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.



41.9125, 45.9724, 20.4293



38.6946, 45.9724, 95.6411



55.4361, 45.9724, 29.7771

# Square

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



38.6946, 45.9724, 95.6411



57.5817, 45.9724, 66.4905



49.1095, 45.9724, 21.8974



32.2429, 45.9724, 36.5809



# Rectangle

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



38.6946, 45.9724, 95.6411



50.3358, 45.9724, 93.3460



49.1095, 45.9724, 21.8974



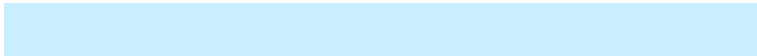
37.6663, 45.9724, 22.7747

# Sweetspot

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



38.6962, 45.9740, 95.6422



72.7357, 80.6542, 106.3420



40.4857, 70.2380, 32.4694



15.0304, 16.7768, 22.6960



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.



38.6962, 45.9740, 95.6422



36.4440, 42.6623, 100.9216



25.0753, 18.7322, 91.1019



17.2645, 18.6058, 22.0666



16.8219, 18.9993, 50.7542



1.6542, 1.9520, 4.7328



# Inverse Universe

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



50.7434, 28.7963, 52.7543



50.8529, 26.3628, 48.6737



64.6115, 69.7235, 16.7114



17.7400, 17.4234, 20.4867



24.7829, 12.3289, 21.3631

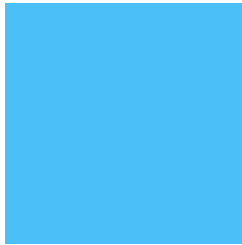


2.3439, 1.1613, 2.2342



# Previews

## White Background



This preview shows how the XYZ color 38.6946, 45.9724, 95.6411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

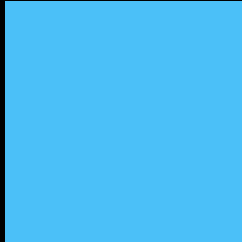
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.6946, 45.9724, 95.6411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

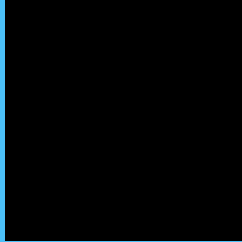
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

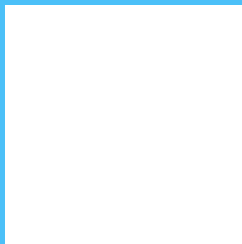
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 38.6946, 45.9724, 95.6411

## Background



This preview shows how black text looks on a background with the XYZ color 38.6946, 45.9724, 95.6411.



This preview shows how white text looks on a background with the XYZ color 38.6946, 45.9724,



# 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

38.6946, 45.9724, 95.6411

### Protanopia

46.1125, 45.3452, 86.4429

### Deuteranopia

46.4612, 45.2793, 97.5578



## Tritanopia

33.7479, 45.9733, 70.7134

# Trichromacy



**Original Color**

38.6946, 45.9724, 95.6411

**Protanomaly**

41.9652, 44.6321, 89.6221

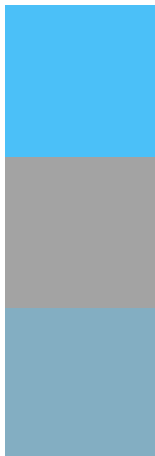
**Deuteranomaly**

42.4407, 44.7180, 96.8371

**Tritanomaly**

35.3309, 45.9315, 78.9550

# Monochromacy



**Original Color**

38.6946, 45.9724, 95.6411

**Achromatopsia**

34.8123, 36.6253, 39.8849

**Achromatomaly**

34.2337, 38.9924, 56.7609

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6946, 45.9724, 95.6411 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(75, 192, 248)` looks like.

```
.text, #text, p{  
    color:rgb(75, 192, 248)  
}
```

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(75, 192, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 192, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6946, 45.9724, 95.6411 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(75, 192, 248) }
```



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

```
.border{ border-color:rgb(75, 192, 248) }
```

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

Here you see how a box with a 4 pixel rgb(75, 192, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 192, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 192, 248);  
box-shadow:4px 4px 4px 4px rgb(75, 192,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6946, 45.9724, 95.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 192, 248) }
```

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

```
.background{ background-color: rgb(75, 192,  
248) }
```

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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