

# Converting Colors

XYZ(44.6324, 57.5664, 95.4474)

Have a look what the booklet for  
XYZ(44.6324, 57.5664, 95.4474)  
contains.

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# Color

**XYZ(44.6046, 57.5433,  
95.1423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53D8F5
RGB	83, 216, 245
RGB Percent	33%, 85%, 96%
CMY	0.6745, 0.1529, 0.0392
CMYK	0.66, 0.12, 0.00, 0.04
HSL	191°, 89%, 64%
HSV	191°, 66%, 96%
XYZ	44.6046, 57.5433, 95.1423
YIQ	179.5390, -88.5770, -19.1770

# Conversions

## Conversions Part 2

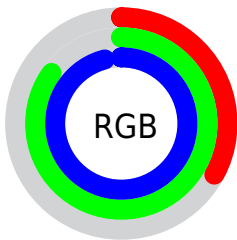
Format	Color
R <sub>Y</sub> B	83, 156, 245
Decimal	5495029
CIE Lab	80.48, -27.33, -24.85
CIE LCh	80, 36.939, 222.286
Yxy	57.5433, 0.2261, 0.2917
Android (android.graphics.Color)	4283685109 (0xFF53D8F5)
YUV	179.5390, 32.2723, -84.6647
Hunter-Lab	75.8573, -27.7911, -21.2630

# Details

The XYZ color **44.6046, 57.5433, 95.1423** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **45.0135, 31.6276, 11.9179**, and the grayscale version is **43.0045, 45.2441, 49.2708**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **21.9302, 29.1639, 52.6175** is the 20% darker color. If you saturate the color by 10%, you get **41.7043, 54.4034, 94.6902**, and if you desaturate by 10%, it is **48.3019, 61.1409, 95.6429**.

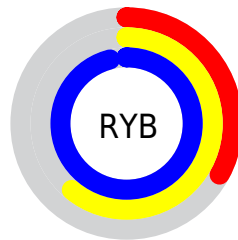
# Distribution



Red (33%)

Green (85%)

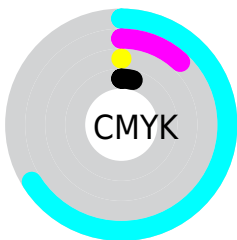
Blue (96%)



Red (33%)

Yellow (61%)

Blue (96%)

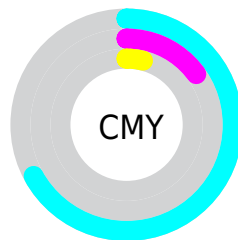


Cyan (66%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (67%)

Magenta (15%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6046, 57.5433, 95.1423 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 44.6046, 57.5433, 95.1423 by changing the saturation by 10% instead.



44.6046, 57.5433,  
95.1423

44.6046, 57.5433,  
95.1423

355.9805,  
415.4820, 565.6164

31.3460, 41.4416,  
71.6559

81.3675, 101.2575,  
156.4585

21.0156, 28.6643,  
52.3925

105.6025,  
129.6388, 195.1253

13.2479, 18.8270,  
36.9336

134.2271,  
162.8821, 239.6893

7.6777, 11.5454,  
24.8607

167.6066,  
201.3717, 290.5690

3.9395, 6.4349,  
15.7552

206.1063,  
245.4921, 348.1831

1.6679, 3.1113,  
9.1986

250.0916,

0.4361, 1.1901,

295.6277, 412.9500

4.7724

299.9279,  
352.1629, 485.2882

■ 0.0000, 0.0536,  
2.0580

■ 0.0000, 0.0000,  
0.5906

■ 44.6046, 57.5433,  
95.1423

■ 44.6046, 57.5433,  
95.1423

■ 41.7043, 54.4034,  
94.6902

■ 48.3019, 61.1409,  
95.6429

■ 39.5106, 51.6708,  
94.2784


■ 52.8633, 65.2277,  
96.1913


■ 37.9202, 49.2930,  
93.9032


■ 58.3546, 69.8391,  
96.7920


■ 37.4017, 48.4328,  
93.7645


■ 64.8340, 75.0053,  
97.4477

 72.3543, 80.7541,  
98.1609

 80.9650, 87.1111,  
98.9341

 90.7121, 94.1004,  
99.7695

 92.2468, 96.9030,  
100.2295

 93.4816, 99.3727,  
100.6412

# Harmonies

## Analogous

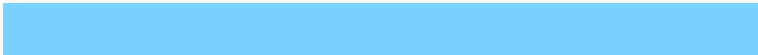
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6534, 57.5433, 71.9628



44.6046, 57.5433, 95.1423



50.3777, 57.5433, 111.4170

# Triad

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



44.6046, 57.5433, 95.1423



69.7837, 57.5433, 76.2314



51.6502, 57.5433, 30.0812

# Complementary

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



44.6046, 57.5433, 95.1423



45.0135, 31.6276, 11.9179

# 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.



59.2483, 57.5433, 30.7128



44.6046, 57.5433, 95.1423



70.2047, 57.5433, 54.1862

# Square

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



44.6046, 57.5433, 95.1423



65.0966, 57.5433, 98.8824



66.1986, 57.5433, 38.5588



45.4618, 57.5433, 36.5720

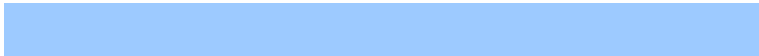


# Rectangle

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



44.6046, 57.5433, 95.1423



55.2766, 57.5433, 114.2972



66.1986, 57.5433, 38.5588



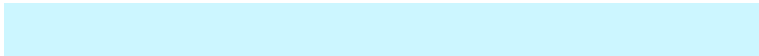
54.1139, 57.5433, 29.5190

# Sweetspot

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



44.6064, 57.5454, 95.1437



75.8682, 85.8901, 107.1875



39.0359, 68.2711, 25.8745



15.7448, 18.0058, 22.8956



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.



44.6064, 57.5454, 95.1437



44.8627, 58.6226, 103.5585



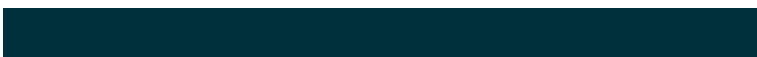
28.9965, 26.3254, 89.9404



16.7297, 18.2236, 21.1783



20.2418, 26.2774, 50.5432



1.8435, 2.4384, 4.4637



# Inverse Universe

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



53.1458, 30.5588, 68.0652



55.3164, 28.9679, 69.6510



57.8501, 57.3009, 16.1968



17.0789, 16.7144, 20.1619



26.0217, 12.7521, 31.1520

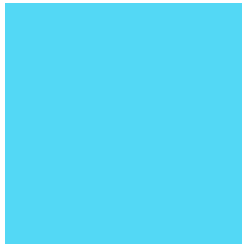


2.3196, 1.1338, 2.9093



# Previews

## White Background



This preview shows how the XYZ color 44.6046, 57.5433, 95.1423 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

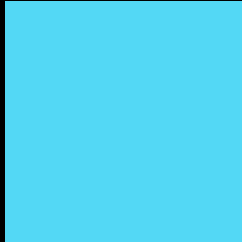
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6046, 57.5433, 95.1423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

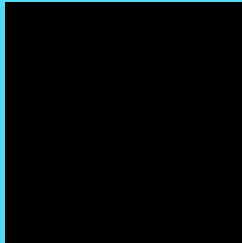
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.6046, 57.5433, 95.1423**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6046, 57.5433, 95.1423.



This preview shows how white text looks on a background with the XYZ color 44.6046, 57.5433,



# 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

44.6046, 57.5433, 95.1423

### Protanopia

56.0176, 56.8351, 84.3618

### Deuteranopia

58.0330, 56.5621, 98.3014



## Tritanopia

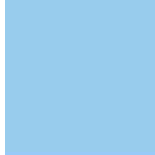
43.2087, 57.7607, 87.4688

# Trichromacy



## Original Color

44.6046, 57.5433, 95.1423



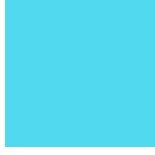
## Protanomaly

49.8278, 55.9756, 88.2989



## Deuteranomaly

51.0127, 55.6938, 96.8683



## Tritanomaly

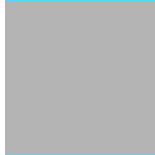
43.7011, 57.5632, 90.4689

# Monochromacy



## Original Color

44.6046, 57.5433, 95.1423



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

41.6461, 48.5193, 64.2969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6046, 57.5433, 95.1423 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(83, 216, 245)` looks like.

```
.text, #text, p{  
    color:rgb(83, 216, 245)  
}
```

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(83, 216, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 216, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6046, 57.5433, 95.1423 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(83, 216, 245) }
```



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

```
.border{ border-color:rgb(83, 216, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 216, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 216, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 216, 245);  
box-shadow:4px 4px 4px 4px rgb(83, 216,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6046, 57.5433, 95.1423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 216, 245) }
```

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

```
.background{ background-color: rgb(83, 216,  
245) }
```

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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