

# Converting Colors

XYZ(45.4482, 56.6838,  
103.1534)

Have a look what the booklet for  
XYZ(45.4482, 56.6838, 103.1534)  
contains.

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# Color

**XYZ(45.4115, 56.6475,  
103.1484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53D5FF
RGB	83, 213, 255
RGB Percent	33%, 84%, 100%
CMY	0.6745, 0.1647, 0.0000
CMYK	0.67, 0.16, 0.00, 0.00
HSL	195°, 100%, 66%
HSV	195°, 67%, 100%
XYZ	45.4115, 56.6475, 103.1484
YIQ	178.9180, -90.9620, -14.4980

# Conversions

## Conversions Part 2

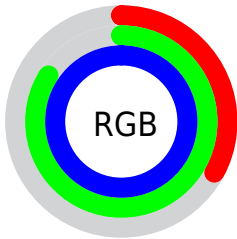
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 157, 255
Decimal	5494271
CIE Lab	79.98, -22.83, -30.94
CIE LCh	80, 38.451, 233.580
Yxy	56.6475, 0.2213, 0.2760
Android (android.graphics.Color)	4283684351 (0xFF53D5FF)
YUV	178.9180, 37.5084, -84.1201
Hunter-Lab	75.2645, -24.0134, -28.5705

# Details

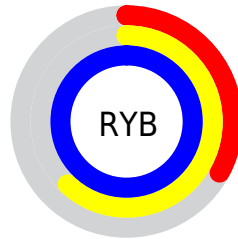
The XYZ color **45.4115, 56.6475, 103.1484** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.1362, 36.5537, 12.5987**, and the grayscale version is **42.6476, 44.8685, 48.8618**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **22.4199, 28.5309, 57.7514** is the 20% darker color. If you saturate the color by 10%, you get **42.0252, 52.6223, 102.5499**, and if you desaturate by 10%, it is **49.6880, 61.2232, 103.8062**.

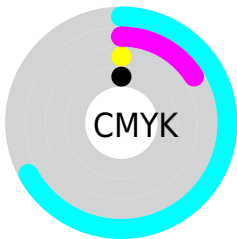
# Distribution



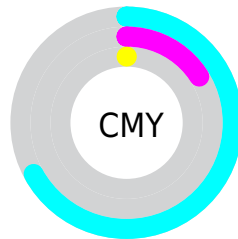
- Red (33%)
- Green (84%)
- Blue (100%)



- Red (33%)
- Yellow (62%)
- Blue (100%)



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4115, 56.6475, 103.1484 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 45.4115, 56.6475, 103.1484 by changing the saturation by 10% instead.



45.4115, 56.6475,  
103.1484

45.4115, 56.6475,  
103.1484

359.1933,  
412.1271, 591.5729

31.9843, 40.7223,  
78.3010

82.5708, 99.9507,  
167.5666

21.5050, 28.1022,  
57.8034

107.0337,  
128.0974, 207.9745

13.6082, 18.4027,  
41.2369

135.9059,  
161.0868, 254.4063

7.9286, 11.2395,  
28.1832

169.5527,  
199.3032, 307.2806

4.1007, 6.2281,  
18.2235

208.3395,  
243.1311, 367.0158

1.7593, 2.9843,  
10.9395

252.6316,

0.4929, 1.1235,

292.9547, 434.0306

5.9125

302.7944,  
349.1586, 508.7435

■ 0.0000, 0.0000,  
2.7240

■ 0.0000, 0.0000,  
0.9555

■ 45.4115, 56.6475,  
103.1484

■ 45.4115, 56.6475,  
103.1484

■ 42.0252, 52.6223,  
102.5499

■ 49.6880, 61.2232,  
103.8062

■ 39.4278, 49.0909,  
102.0052

■ 54.9318, 66.3866,  
104.5264

■ 37.4952, 45.9895,  
101.5084

■ 61.2169, 72.1781,  
105.3130

■ 37.0611, 45.2422,  
101.3870

■ 68.6082, 78.6320,  
106.1692

■ 77.1655, 85.7800,  
107.0979

■ 86.9439, 93.6516,  
108.1019

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



41.2214, 56.6475, 80.5264



45.4115, 56.6475, 103.1484



52.1804, 56.6475, 115.0290

# Triad

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



45.4115, 56.6475, 103.1484



70.1804, 56.6475, 66.6133



48.0569, 56.6475, 30.0704

# Complementary

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



45.4115, 56.6475, 103.1484



50.1362, 36.5537, 12.5987

# 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.



55.5380, 56.6475, 28.0603



45.4115, 56.6475, 103.1484



68.8061, 56.6475, 46.0297

# Square

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



45.4115, 56.6475, 103.1484



66.8480, 56.6475, 90.8890



63.2556, 56.6475, 33.1480



42.6424, 56.6475, 39.5127



# Rectangle

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



45.4115, 56.6475, 103.1484



57.4441, 56.6475, 113.6223



63.2556, 56.6475, 33.1480



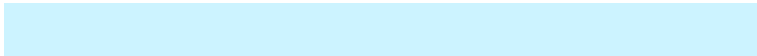
50.3933, 56.6475, 28.6154

# Sweetspot

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



45.4132, 56.6495, 103.1487



74.8669, 83.8876, 106.8538



42.9121, 74.7930, 30.9600



15.5024, 17.5210, 22.8148



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.



45.4132, 56.6495, 103.1487



41.0174, 51.3137, 102.3504



29.4518, 24.7268, 97.8282



18.1570, 19.6857, 23.0927



19.4883, 23.8862, 53.0179



1.9828, 2.4963, 5.1906



# Inverse Universe

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



56.3446, 32.2523, 66.2084



53.2823, 27.7977, 60.0393



65.6356, 67.5524, 17.7652



18.5919, 18.2201, 21.7342



26.6250, 13.1393, 27.7394



2.6354, 1.2965, 2.9275



# Previews

## White Background



This preview shows how the XYZ color 45.4115, 56.6475, 103.1484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

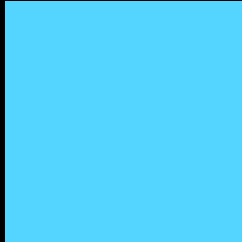
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4115, 56.6475, 103.1484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

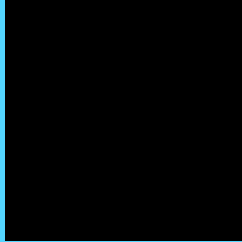
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.4115, 56.6475, 103.1484

## Background



This preview shows how black text looks on a background with the XYZ color 45.4115, 56.6475, 103.1484.



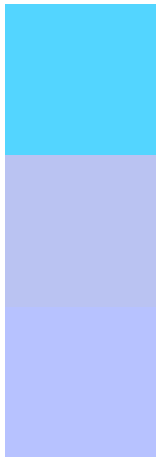
This preview shows how white text looks on a background with the XYZ color 45.4115, 56.6475,



# 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

45.4115, 56.6475, 103.1484

### Protanopia

55.7918, 55.8801, 91.8498

### Deuteranopia

56.8702, 55.8709, 102.3945



## Tritanopia

42.2627, 56.9058, 86.5983

# Trichromacy



## Original Color

45.4115, 56.6475, 103.1484

## Protanomaly

50.3035, 55.3460, 96.0273

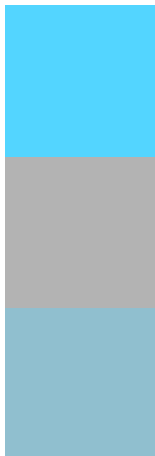
## Deuteranomaly

50.9693, 55.1963, 102.5753

## Tritanomaly

43.4845, 57.0184, 92.7182

# Monochromacy



## Original Color

45.4115, 56.6475, 103.1484

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

41.3949, 47.6959, 66.0560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4115, 56.6475, 103.1484 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 213, 255)  
}
```

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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 213, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4115, 56.6475, 103.1484 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, 213, 255) }
```



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

```
.border{ border-color:rgb(83, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 213, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 213, 255); box-shadow:4px 4px 4px 4px rgb(83, 213, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4115, 56.6475, 103.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 213, 255) }
```

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

```
.background{ background-color: rgb(83, 213,  
255) }
```

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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