

# Converting Colors

XYZ(45.4361, 58.5561,  
103.5155)

Have a look what the booklet for  
XYZ(45.4361, 58.5561, 103.5155)  
contains.

<b>XYZ(45.4361, 58.5561, 103.5155)</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(45.4361, 58.5561,  
103.5155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43DAFF
RGB	67, 218, 255
RGB Percent	26%, 85%, 100%
CMY	0.7372, 0.1451, 0.0000
CMYK	0.74, 0.15, 0.00, 0.00
HSL	192°, 100%, 63%
HSV	192°, 74%, 100%
XYZ	45.4361, 58.5561, 103.5155
YIQ	177.0690, -101.8730, -20.5050

# Conversions

## Conversions Part 2

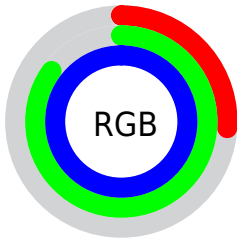
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	67, 151, 255
Decimal	4446975
CIE <sub>Lab</sub>	81.05, -27.35, -29.34
CIE <sub>LCh</sub>	81, 40.110, 227.003
Y <sub>xy</sub>	58.5561, 0.2190, 0.2822
Android (android.graphics.Color)	4282637055 (0xFF43DAFF)
YUV	177.0690, 38.4200, -96.5305
Hunter-Lab	76.5220, -27.9263, -26.6395

# Details

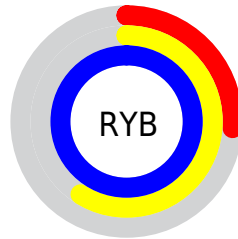
The XYZ color **45.4361, 58.5561, 103.5155** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.2048, 31.5680, 8.9174**, and the grayscale version is **41.6717, 43.8419, 47.7438**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **23.2902, 30.2716, 58.0416** is the 20% darker color. If you saturate the color by 10%, you get **42.7754, 55.2827, 103.0239**, and if you desaturate by 10%, it is **48.9085, 62.3087, 104.0568**.

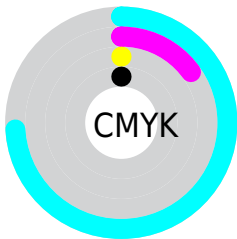
# Distribution



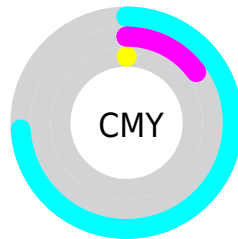
- Red (26%)
- Green (85%)
- Blue (100%)



- Red (26%)
- Yellow (59%)
- Blue (100%)



- Cyan (74%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4361, 58.5561, 103.5155 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 45.4361, 58.5561, 103.5155 by changing the saturation by 10% instead.



45.4361, 58.5561,  
103.5155

45.4361, 58.5561,  
103.5155

359.2910,  
419.2549, 592.7485

32.0038, 42.2559,  
78.6065

82.6075, 102.7322,  
168.0738

21.5200, 29.3017,  
58.0529

107.0773,  
131.3769, 208.5602

13.6192, 19.3092,  
41.4362

135.9570,  
164.9052, 255.0762

7.9362, 11.8939,  
28.3378

169.6119,  
203.7016, 308.0403

4.1056, 6.6715,  
18.3392

208.4074,  
248.1503, 367.8710

1.7621, 3.2575,  
11.0219

252.7088,

0.4947, 1.2676,

298.6358, 434.9870

5.9672

302.8816,  
355.5426, 509.8066

■ 0.0000, 0.1159,  
2.7567

■ 0.0000, 0.0000,  
0.9718

■ 45.4361, 58.5561,  
103.5155

■ 45.4361, 58.5561,  
103.5155

■ 42.7754, 55.2827,  
103.0239

■ 48.9085, 62.3087,  
104.0568

■ 40.8115, 52.4254,  
102.5759

■ 53.2774, 66.5813,  
104.6512

■ 39.8370, 50.7940,  
102.3123

■ 58.6222, 71.4166,  
105.3028

■ 65.0119, 76.8505,  
106.0149

■ 72.5092, 82.9158,  
106.7905

■ 81.1716, 89.6427,  
107.6323

■ 91.0526, 97.0593,  
108.5431

■ 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.



41.7067, 58.5561, 78.1271



45.4361, 58.5561, 103.5155



52.1322, 58.5561, 119.6816

# Triad

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



45.4361, 58.5561, 103.5155



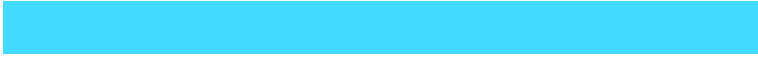
72.7583, 58.5561, 74.6356



51.1043, 58.5561, 29.1941

# Complementary

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



45.4361, 58.5561, 103.5155



47.2048, 31.5680, 8.9174

# 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.



59.3347, 58.5561, 28.7041



45.4361, 58.5561, 103.5155



72.4126, 58.5561, 51.2678

# Square

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



45.4361, 58.5561, 103.5155



68.2056, 58.5561, 100.4165



67.3034, 58.5561, 35.7587



44.7484, 58.5561, 37.3222

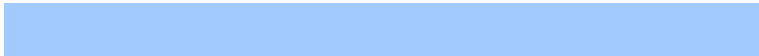


# Rectangle

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



45.4361, 58.5561, 103.5155



57.6306, 58.5561, 120.9530



67.3034, 58.5561, 35.7587



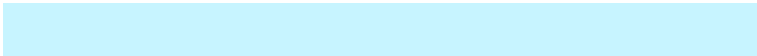
53.7267, 58.5561, 28.2178

# Sweetspot

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



45.4378, 58.5581, 103.5158



73.9151, 84.0253, 106.9305



40.4480, 73.6627, 24.5213



15.3500, 17.6125, 22.8405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

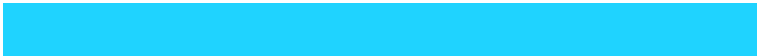


# Same Dimension

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



45.4378, 58.5581, 103.5158



41.8568, 54.0126, 102.8271



27.8960, 23.4744, 97.6685



18.2333, 19.8382, 23.1181



20.9230, 26.7556, 53.4962



2.1111, 2.7528, 5.2334



# Inverse Universe

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



55.9032, 30.3379, 69.2411



53.4570, 26.9142, 63.8983



61.8742, 60.9069, 13.8073



18.6304, 18.2355, 21.9368



27.3492, 13.4290, 31.5528



2.7002, 1.3224, 3.2685



# Previews

## White Background



This preview shows how the XYZ color 45.4361, 58.5561, 103.5155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

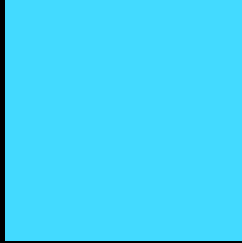
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4361, 58.5561, 103.5155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

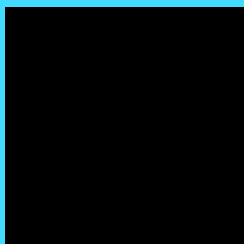
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

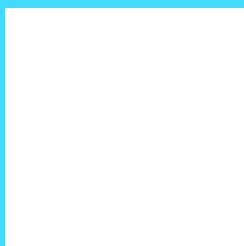
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.4361, 58.5561, 103.5155

## Background



This preview shows how black text looks on a background with the XYZ color 45.4361, 58.5561, 103.5155.



This preview shows how white text looks on a background with the XYZ color 45.4361, 58.5561,



# 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

45.4361, 58.5561, 103.5155

### Protanopia

57.3065, 57.6862, 91.3333

### Deuteranopia

58.7553, 57.8439, 102.6760



## Tritanopia

42.9578, 58.7292, 90.7331

# Trichromacy



**Original Color**

45.4361, 58.5561, 103.5155

**Protanomaly**

50.1429, 56.3362, 95.4199

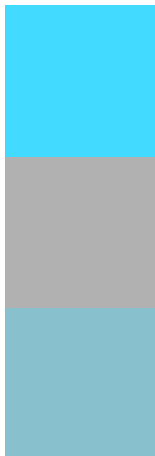
**Deuteranomaly**

51.3829, 56.8119, 102.8654

**Tritanomaly**

43.8783, 58.7088, 95.4055

# Monochromacy



**Original Color**

45.4361, 58.5561, 103.5155

**Achromatopsia**

41.7894, 43.9657, 47.8787

**Achromatomaly**

40.1856, 47.4254, 64.7936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4361, 58.5561, 103.5155 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(67, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 218, 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(67, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4361, 58.5561, 103.5155 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(67, 218, 255) }
```



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

```
.border{ border-color:rgb(67, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4361, 58.5561, 103.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 218, 255) }
```

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

```
.background{ background-color: rgb(67, 218,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor