

# Converting Colors

XYZ(46.3401, 75.9411, 59.0919)

Have a look what the booklet for  
XYZ(46.3401, 75.9411, 59.0919)  
contains.

<b>XYZ(46.3605, 75.9486, 59.2298)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.3605, 75.9486,  
59.2298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38FFBB
RGB	56, 255, 187
RGB Percent	22%, 100%, 73%
CMY	0.7804, 0.0000, 0.2667
CMYK	0.78, 0.00, 0.27, 0.00
HSL	159°, 100%, 61%
HSV	159°, 78%, 100%
XYZ	46.3605, 75.9486, 59.2298
YIQ	187.7470, -96.7760, -63.3360

# Conversions

## Conversions Part 2

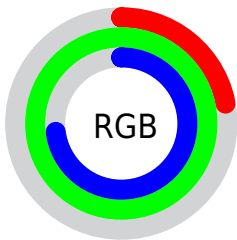
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 176, 255
Decimal	3735483
CIELab	89.84, -62.60, 19.21
CIELCh	90, 65.483, 162.940
Yxy	75.9486, 0.2554, 0.4184
Android (android.graphics.Color)	4281925563 (0xFF38FFBB)
YUV	187.7470, -0.3683, -115.5421
Hunter-Lab	87.1485, -57.5530, 20.7080

# Details

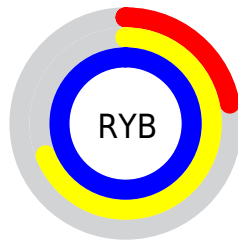
The XYZ color **46.3605, 75.9486, 59.2298** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **46.2930, 25.5445, 21.5612**, and the grayscale version is **47.6987, 50.1827, 54.6490**.

A 20% lighter version of the original color is **61.6105, 82.9776, 97.5631**, and **24.2693, 41.6537, 29.3151** is the 20% darker color. If you saturate the color by 10%, you get **44.3753, 75.0297, 54.4150**, and if you desaturate by 10%, it is **49.1285, 77.2644, 64.3794**.

# Distribution



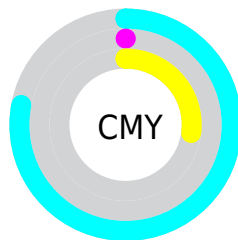
- Red (22%)
- Green (100%)
- Blue (73%)



- Red (22%)
- Yellow (69%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (78%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3605, 75.9486, 59.2298 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 46.3605, 75.9486, 59.2298 by changing the saturation by 10% instead.





 46.3605, 75.9486,  
59.2298


 46.3605, 75.9486,  
59.2298


362.9478,  
481.1717, 439.4786


 32.7362, 56.3904,  
42.3769


 83.9828, 127.6542,  
105.2440


 22.0827, 40.5160,  
29.0688


 108.7116,  
160.5704, 135.2424

 14.0346, 27.9411,  
18.8868


 137.8725,  
198.7081, 170.4596

 8.2266, 18.2812,  
11.4125

 171.8310,  
242.4516, 211.3144

 4.2933, 11.1521,  
6.2274

210.9525,  
292.1853, 258.2251

 1.8694, 6.1692,  
2.9128


255.6022,


 0.5589, 2.9483,


348.2936, 311.6103


1.0503


306.1455,  
411.1610, 371.8886


 0.0000, 1.1048,  
0.0000


 0.0000, 0.0000,  
0.0000


 46.3605, 75.9486,  
59.2298


 46.3605, 75.9486,  
59.2298


 44.3753, 75.0297,  
54.4150

 49.1285, 77.2644,  
64.3794

 43.0382, 74.4385,  
49.9195

 52.7750, 79.0266,  
69.8693

 42.8152, 74.3421,  
49.0722

 57.3837, 81.2779,  
75.7099

 63.0277, 84.0561,  
81.9092

■ 69.7726, 87.3949,  
88.4750

■ 77.6787, 91.3252,  
95.4149

■ 86.8015, 95.8756,  
102.7359

■ 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.



53.0136, 75.9486, 33.1433



46.3605, 75.9486, 59.2298



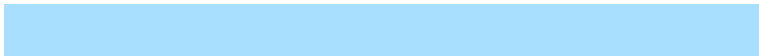
45.9312, 75.9486, 104.2756

# Triad

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



46.3605, 75.9486, 59.2298



79.3739, 75.9486, 203.3458



97.4190, 75.9486, 35.6652

# Complementary

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



46.3605, 75.9486, 59.2298



46.2930, 25.5445, 21.5612

# 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.



106.9193, 75.9486, 64.3186



46.3605, 75.9486, 59.2298



95.5017, 75.9486, 166.4907

# Square

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



46.3605, 75.9486, 59.2298



63.4457, 75.9486, 200.3424



106.1694, 75.9486, 111.6600



81.6962, 75.9486, 23.4446



# Rectangle

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



46.3605, 75.9486, 59.2298



49.1150, 75.9486, 141.1650



106.1694, 75.9486, 111.6600



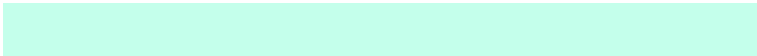
101.5444, 75.9486, 43.1176

# Sweetspot

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



46.3612, 75.9489, 59.2311



73.6055, 89.2985, 91.9229



45.0274, 76.2150, 16.0802



15.1597, 18.8180, 19.1438



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.



46.3612, 75.9489, 59.2311



43.5137, 74.6448, 51.6964



46.6474, 61.9932, 104.1150



18.2756, 20.3698, 21.7545



22.4447, 38.8745, 26.0247



2.2366, 3.8056, 2.8040



# Inverse Universe

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



46.2930, 25.5445, 21.5612



43.5825, 22.4771, 13.4016



45.2703, 28.1783, 6.7953



18.2655, 18.0895, 20.0153



22.5132, 11.4946, 6.0868

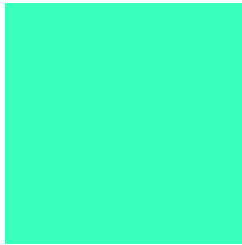


2.2409, 1.1387, 0.8499



# Previews

## White Background



This preview shows how the XYZ color 46.3605, 75.9486, 59.2298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

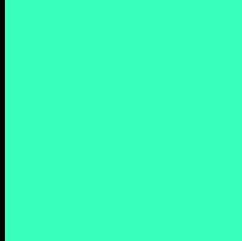
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.3605, 75.9486, 59.2298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

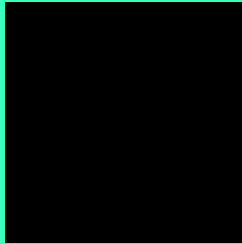
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.3605, 75.9486, 59.2298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.3605, 75.9486, 59.2298.



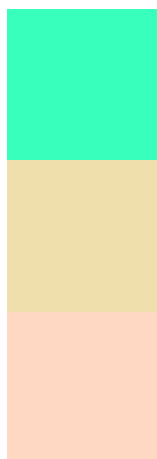
This preview shows how white text looks on a background with the XYZ color 46.3605, 75.9486,



# 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

46.3605, 75.9486, 59.2298

### Protanopia

69.4307, 74.1046, 49.6740

### Deuteranopia

75.7597, 74.3573, 62.5840



## Tritanopia

60.5378, 75.3798, 105.9668

# Trichromacy



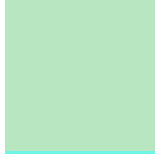
## Original Color

46.3605, 75.9486, 59.2298



## Protanomaly

54.6574, 71.3616, 52.4884



## Deuteranomaly

57.4509, 70.5112, 61.0341



## Tritanomaly

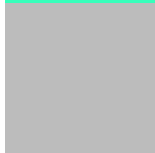
53.4909, 74.3975, 86.4038

# Monochromacy



## Original Color

46.3605, 75.9486, 59.2298



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

43.4358, 56.2933, 56.1533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3605, 75.9486, 59.2298 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(56, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 187)  
}
```

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(56, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3605, 75.9486, 59.2298 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(56, 255, 187) }
```



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

```
.border{ border-color:rgb(56, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3605, 75.9486, 59.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 187) }
```

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

```
.background{ background-color: rgb(56, 255,  
187) }
```

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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