

# Converting Colors

XYZ(54.5304, 79.6611, 82.1654)

Have a look what the booklet for  
XYZ(54.5304, 79.6611, 82.1654)  
contains.

<b>XYZ(54.5588, 79.6725, 82.3148)</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(54.5588, 79.6725,  
82.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFDF
RGB	102, 255, 223
RGB Percent	40%, 100%, 87%
CMY	0.6000, 0.0000, 0.1255
CMYK	0.60, 0.00, 0.13, 0.00
HSL	167°, 100%, 70%
HSV	167°, 60%, 100%
XYZ	54.5588, 79.6725, 82.3148
YIQ	205.6050, -80.9160, -42.3880

# Conversions

## Conversions Part 2

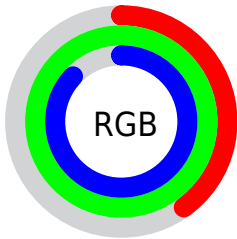
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 187, 255</a>
Decimal	<a href="#">6750175</a>
CIELab	<a href="#">91.54, -47.99, 3.22</a>
CIELCh	<a href="#">92, 48.093, 176.167</a>
Yxy	<a href="#">79.6725, 0.2520, 0.3679</a>
Android (android.graphics.Color)	<a href="#">4284940255</a> ( <a href="#">0xFF66FFDF</a> )
YUV	<a href="#">205.6050, 8.5757, -90.8616</a>
Hunter-Lab	<a href="#">89.2595, -47.0980, 7.8046</a>

# Details

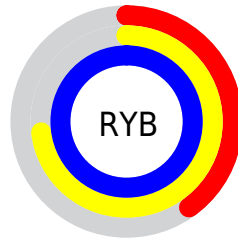
The XYZ color **54.5588, 79.6725, 82.3148** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.2953, 32.4853, 26.1752**, and the grayscale version is **58.3984, 61.4397, 66.9078**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.0717, 42.7790, 43.8761** is the 20% darker color. If you saturate the color by 10%, you get **51.3924, 78.1219, 78.4730**, and if you desaturate by 10%, it is **58.6382, 81.6911, 86.3204**.

# Distribution



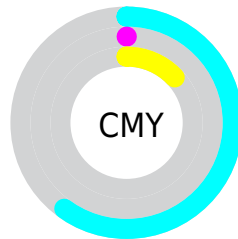
- Red (40%)
- Green (100%)
- Blue (87%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5588, 79.6725, 82.3148 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 54.5588, 79.6725, 82.3148 by changing the saturation by 10% instead.





 54.5588, 79.6725,  
82.3148


 54.5588, 79.6725,  
82.3148


394.4010,  
493.8285, 522.6111

 39.2810, 59.4489,  
61.0877


 96.0463, 132.9052,  
138.4560

 27.1601, 42.9746,  
43.8650


 122.9868,  
166.6831, 174.2072

 17.8307, 29.8652,  
30.2279


 154.5456,  
205.7478, 215.6369

 10.9275, 19.7363,  
19.7581


191.0879,  
250.4838, 263.1636

 6.0850, 12.2035,  
12.0370

232.9793,  
301.2755, 317.2058

 2.9380, 6.8824,  
6.6461

280.5851,

 1.1211, 3.3887,

358.5072, 378.1821

3.1667

334.2705,  
422.5634, 446.5110

0.0426, 1.3379,  
1.1804

0.0000, 0.1702,  
0.0000

54.5588, 79.6725,  
82.3148

54.5588, 79.6725,  
82.3148

51.3924, 78.1219,  
78.4730

58.6382, 81.6911,  
86.3204

49.0516, 76.9944,  
74.7856

63.7017, 84.2144,  
90.4899

47.4363, 76.2383,  
71.2482

69.8167, 87.2771,  
94.8290

46.3816, 75.7686,  
67.8521

77.0436, 90.9103,  
99.3416

■ 46.3814, 75.7685,  
67.8513

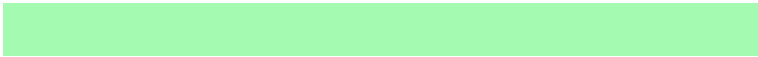
■ 85.4381, 95.1427,  
104.0311

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.



57.7858, 79.6725, 54.3312



54.5588, 79.6725, 82.3148



56.4800, 79.6725, 120.0537

# Triad

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



54.5588, 79.6725, 82.3148



86.6036, 79.6725, 162.5361



89.6228, 79.6725, 41.8899

# Complementary

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



54.5588, 79.6725, 82.3148



50.2953, 32.4853, 26.1752

# 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.



98.9127, 79.6725, 60.2562



54.5588, 79.6725, 82.3148



97.0417, 79.6725, 130.0246

# Square

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



54.5588, 79.6725, 82.3148



74.1615, 79.6725, 173.0396



101.7632, 79.6725, 91.3413

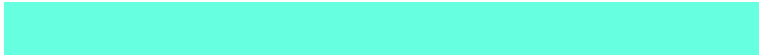


77.3130, 79.6725, 35.3234



# Rectangle

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



54.5588, 79.6725, 82.3148



60.5470, 79.6725, 145.1252



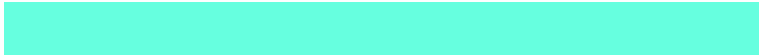
101.7632, 79.6725, 91.3413



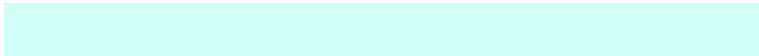
93.2517, 79.6725, 46.5974

# Sweetspot

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



54.5597, 79.6730, 82.3162



78.6254, 91.7069, 100.2641



48.1752, 77.6432, 25.0195



16.3392, 19.3824, 21.1735



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.



54.5597, 79.6730, 82.3162



50.8605, 77.8638, 77.7223



46.9867, 56.9582, 103.1253



18.3825, 20.4125, 22.3174



24.2917, 39.6133, 35.7509



2.4041, 3.8726, 3.6858



# Inverse Universe

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



50.2953, 32.4853, 26.1752



46.3223, 26.9389, 17.4529



53.8182, 42.5787, 17.9540



18.1648, 18.0492, 19.4848



21.9318, 11.2620, 3.0253

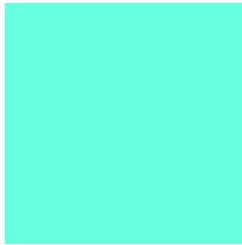


2.1729, 1.1116, 0.4922



# Previews

## White Background



This preview shows how the XYZ color 54.5588, 79.6725, 82.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

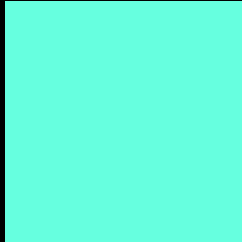
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5588, 79.6725, 82.3148 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 54.5588, 79.6725, 82.3148**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5588, 79.6725, 82.3148.



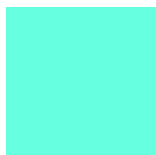
This preview shows how white text looks on a background with the XYZ color 54.5588, 79.6725,



# Color Blindness Simulation

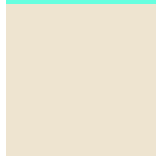
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



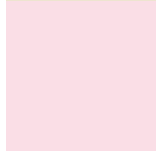
### Original Color

54.5588, 79.6725, 82.3148



### Protanopia

74.3885, 78.2180, 70.8514



### Deuteranopia

79.8285, 78.2797, 85.7650



## **Tritanopia**

66.3797, 79.2703, 106.4099

# Trichromacy



## Original Color

54.5588, 79.6725, 82.3148



## Protanomaly

63.5710, 76.7720, 74.4187



## Deuteranomaly

66.0529, 76.1275, 83.8858



## Tritanomaly

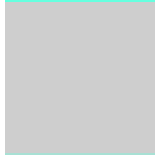
61.1155, 79.0123, 96.8238

# Monochromacy



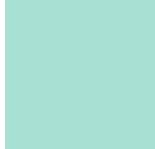
## Original Color

54.5588, 79.6725, 82.3148



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.6878, 66.3896, 72.2195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5588, 79.6725, 82.3148 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(102, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 223)  
}
```

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(102, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5588, 79.6725, 82.3148 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(102, 255, 223) }
```



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

```
.border{ border-color:rgb(102, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5588, 79.6725, 82.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 223) }
```

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

```
.background{ background-color: rgb(102,  
255, 223) }
```

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