

# Converting Colors

XYZ(54.7013, 80.1542, 63.8780)

Have a look what the booklet for  
XYZ(54.7013, 80.1542, 63.8780)  
contains.

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# Color

**XYZ(54.7035, 80.1609,  
63.6284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82FFC2
RGB	130, 255, 194
RGB Percent	51%, 100%, 76%
CMY	0.4902, 0.0000, 0.2392
CMYK	0.49, 0.00, 0.24, 0.00
HSL	151°, 100%, 75%
HSV	151°, 49%, 100%
XYZ	54.7035, 80.1609, 63.6284
YIQ	210.6710, -54.9190, -45.4710

# Conversions

## Conversions Part 2

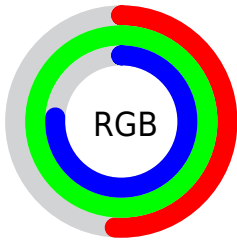
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 213, 255
Decimal	8585154
CIELab	91.76, -48.56, 18.58
CIELCh	92, 51.996, 159.065
Yxy	80.1609, 0.2756, 0.4038
Android (android.graphics.Color)	4286775234 (0xFF82FFC2)
YUV	210.6710, -8.2188, -70.7485
Hunter-Lab	89.5326, -47.6204, 20.5370

# Details

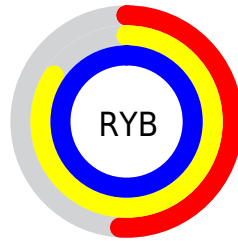
The XYZ color **54.7035, 80.1609, 63.6284** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **58.6269, 40.9875, 54.1117**, and the grayscale version is **61.7782, 64.9954, 70.7800**.

A 20% lighter version of the original color is **74.1589, 89.3039, 104.5956**, and **27.1541, 43.0912, 31.6972** is the 20% darker color. If you saturate the color by 10%, you get **49.9254, 77.8524, 56.4128**, and if you desaturate by 10%, it is **60.5691, 83.0163, 71.5085**.

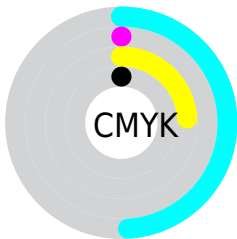
# Distribution



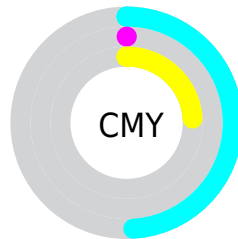
- Red (51%)
- Green (100%)
- Blue (76%)



- Red (51%)
- Yellow (84%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7035, 80.1609, 63.6284 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 54.7035, 80.1609, 63.6284 by changing the saturation by 10% instead.





 54.7035, 80.1609,  
63.6284


 54.7035, 80.1609,  
63.6284


394.9417,  
495.4749, 456.0171


 39.3973, 59.8508,  
45.9055


 96.2573, 133.5919,  
111.6699

 27.2510, 43.2984,  
31.8231


 123.2355,  
167.4816, 142.8256

 17.8994, 30.1193,  
20.9627


 154.8352,  
206.6666, 179.2960

 10.9770, 19.9291,  
12.9058

191.4216,  
251.5313, 221.4996

 6.1186, 12.3435,  
7.2337

233.3601,  
302.4601, 269.8550

 2.9587, 6.9781,  
3.5281

281.0160,

 1.1319, 3.4484,

359.8373, 324.7806

1.3702

334.7548,  
424.0475, 386.6952

■ 0.0516, 1.3701,  
0.1183

■ 0.0000, 0.1945,  
0.0000

■ 54.7035, 80.1609,  
63.6284

■ 54.7035, 80.1609,  
63.6284

■ 49.9254, 77.8524,  
56.4128

■ 60.5691, 83.0163,  
71.5085

■ 46.1569, 76.0513,  
49.8393

■ 67.5883, 86.4527,  
80.0666

■ 43.3125, 74.7137,  
43.8896

■ 75.8243, 90.5022,  
89.3209

■ 41.2904, 73.7875,  
38.5429

■ 85.3349, 95.1944,  
99.2876

■ 39.9414, 73.1962, 95.0500, 100.0000,  
33.7753 108.9000

■ 39.8271, 73.1468,  
33.3372

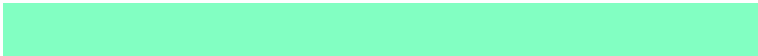
# Harmonies

## Analogous

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



61.1759, 80.1609, 41.8516



54.7035, 80.1609, 63.6284



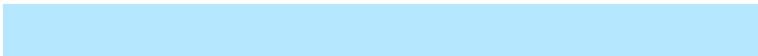
53.6127, 80.1609, 99.3439

# Triad

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



54.7035, 80.1609, 63.6284



80.2935, 80.1609, 181.4907



97.8347, 80.1609, 48.7658

# Complementary

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



54.7035, 80.1609, 63.6284



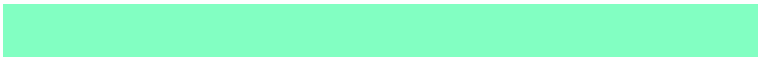
58.6269, 40.9875, 54.1117

# 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.



104.3551, 80.1609, 76.2374



54.7035, 80.1609, 63.6284



93.4804, 80.1609, 157.4394

# Square

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



54.7035, 80.1609, 63.6284



67.4086, 80.1609, 175.1753



102.6751, 80.1609, 116.1716

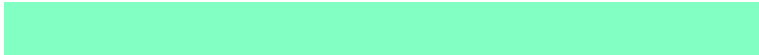


85.7039, 80.1609, 35.1694



# Rectangle

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



54.7035, 80.1609, 63.6284



55.9420, 80.1609, 127.9414



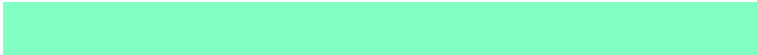
102.6751, 80.1609, 116.1716



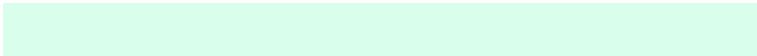
100.8160, 80.1609, 56.3021

# Sweetspot

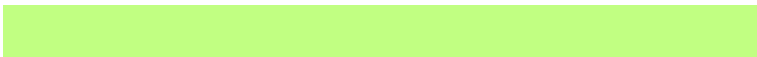
The Sweet Spot groups the original color and five complimentary colors.



54.7042, 80.1612, 63.6297



79.4900, 92.3090, 93.2397



61.6548, 84.4038, 34.1620



16.5970, 19.5523, 19.5140



0.0000, 0.0000, 0.0000

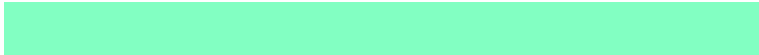


20.3446, 21.4041, 23.3091



# Same Dimension

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



54.7042, 80.1612, 63.6297



49.9333, 77.8562, 56.4257



63.0163, 83.4860, 107.4008



18.1598, 20.3234, 21.1444



20.8863, 38.2511, 17.8183



2.0888, 3.7465, 2.0256



# Inverse Universe

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



58.6269, 40.9875, 54.1117



54.2786, 34.4848, 45.8982



53.2524, 38.8377, 25.8097



18.3788, 18.1348, 20.6118



23.5392, 11.9050, 11.4896

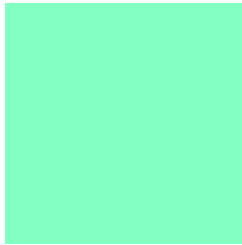


2.3469, 1.1811, 1.4082



# Previews

## White Background



This preview shows how the XYZ color 54.7035, 80.1609, 63.6284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

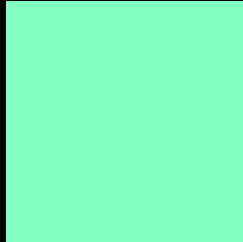
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.7035, 80.1609, 63.6284 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 54.7035, 80.1609, 63.6284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7035, 80.1609, 63.6284.



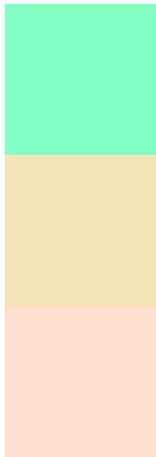
This preview shows how white text looks on a background with the XYZ color 54.7035, 80.1609,



# 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

54.7035, 80.1609, 63.6284

### Protanopia

73.7710, 78.6491, 55.5486

### Deuteranopia

79.1363, 78.6388, 71.3295



## Tritanopia

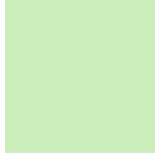
68.0957, 79.7143, 106.4051

# Trichromacy



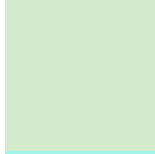
## Original Color

54.7035, 80.1609, 63.6284



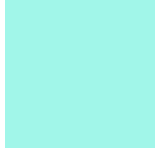
## Protanomaly

64.0661, 77.3908, 58.0156



## Deuteranomaly

67.1858, 77.4779, 68.5404



## Tritanomaly

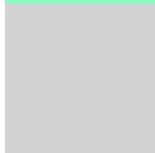
62.3617, 79.3718, 89.1243

# Monochromacy



## Original Color

54.7035, 80.1609, 63.6284



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.7799, 69.2910, 68.0868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7035, 80.1609, 63.6284 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(130, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 194)  
}
```

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(130, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7035, 80.1609, 63.6284 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(130, 255, 194) }
```



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

```
.border{ border-color:rgb(130, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7035, 80.1609, 63.6284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 194) }
```

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

```
.background{ background-color: rgb(130,  
255, 194) }
```

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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