

# Converting Colors

XYZ(65.1624, 101.3888,  
72.4831)

Have a look what the booklet for  
XYZ(65.1624, 101.3888, 72.4831)  
contains.

<b>XYZ(54.4246, 79.8967, 69.0530)</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(54.4246, 79.8967,  
69.0530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79FFCB
RGB	121, 255, 203
RGB Percent	47%, 100%, 80%
CMY	0.5255, 0.0000, 0.2039
CMYK	0.53, 0.00, 0.20, 0.00
HSL	157°, 100%, 74%
HSV	157°, 53%, 100%
XYZ	54.4246, 79.8967, 69.0530
YIQ	209.0060, -63.1720, -44.5800

# Conversions

## Conversions Part 2

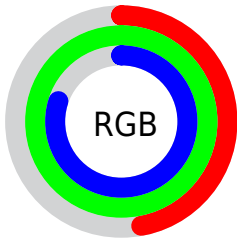
Format	Color
<a href="#">RYB</a>	<a href="#">121, 204, 255</a>
Decimal	<a href="#">7995339</a>
CIELab	<a href="#">91.64, -48.76, 13.75</a>
CIELCh	<a href="#">92, 50.663, 164.250</a>
Yxy	<a href="#">79.8967, 0.2676, 0.3929</a>
Android (android.graphics.Color)	<a href="#">4286185419 (0xFF79FFCB)</a>
YUV	<a href="#">209.0060, -2.9610, -77.1813</a>
Hunter-Lab	<a href="#">89.3850, -47.7388, 16.7659</a>

# Details

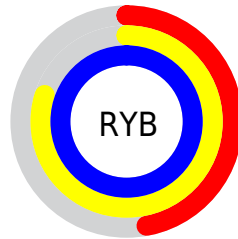
The XYZ color **54.4246, 79.8967, 69.0530** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.6207, 37.9528, 43.9299**, and the grayscale version is **60.6566, 63.8154, 69.4950**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **26.9666, 42.9147, 35.2958** is the 20% darker color. If you saturate the color by 10%, you get **50.1693, 77.8350, 62.8940**, and if you desaturate by 10%, it is **59.7010, 82.4761, 75.6555**.

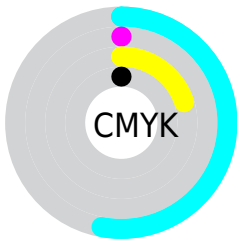
# Distribution



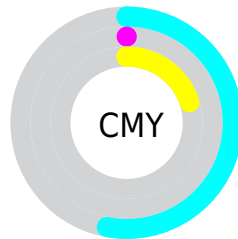
- Red (47%)
- Green (100%)
- Blue (80%)



- Red (47%)
- Yellow (80%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4246, 79.8967, 69.0530 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 54.4246, 79.8967, 69.0530 by changing the saturation by 10% instead.





 54.4246, 79.8967,  
69.0530


 54.4246, 79.8967,  
69.0530


393.8991,  
494.5846, 475.9169


 39.1732, 59.6334,  
50.2828


 95.8506, 133.2205,  
119.5257

 27.0759, 43.1232,  
35.2654


 122.7560,  
167.0497, 152.0653

 17.7671, 29.9818,  
23.5822


 154.2768,  
206.1697, 190.0318

 10.8816, 19.8248,  
14.8147

190.7784,  
250.9648, 233.8438

 6.0540, 12.2677,  
8.5443

232.6260,  
301.8195, 283.9197

 2.9189, 6.9263,  
4.3524


280.1851,


 1.1110, 3.4160,


359.1181, 340.6782


1.8206


333.8210,  
423.2450, 404.5377


 0.0343, 1.3526,  
0.4415


 0.0000, 0.1814,  
0.0000


 54.4246, 79.8967,  
69.0530


 54.4246, 79.8967,  
69.0530

 50.1693, 77.8350,  
62.8940


 59.7010, 82.4761,  
75.6555


 46.8553, 76.2499,  
57.1633

 66.0654, 85.6076,  
82.7076

 44.3939, 75.0961,  
51.8508

 73.5815, 89.3238,  
90.2205

 42.6772, 74.3179,  
46.9437

 82.3073, 93.6544,  
98.2037

■ 41.7647, 73.9219,  
43.5401

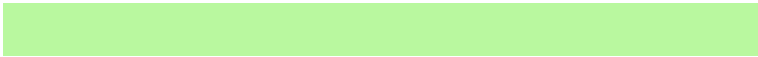
■ 92.2968, 98.6273,  
106.6663

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.



59.8695, 79.8967, 45.2895



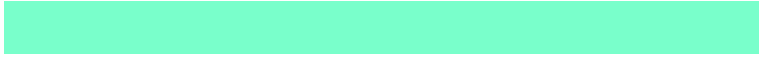
54.4246, 79.8967, 69.0530



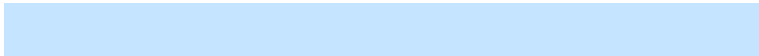
54.2898, 79.8967, 105.7367

# Triad

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



54.4246, 79.8967, 69.0530



82.2292, 79.8967, 175.9297



95.1888, 79.8967, 46.1479

# Complementary

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



54.4246, 79.8967, 69.0530



55.6207, 37.9528, 43.9299

# 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.



102.6928, 79.8967, 70.6082



54.4246, 79.8967, 69.0530



94.6547, 79.8967, 148.6566

# Square

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



54.4246, 79.8967, 69.0530



69.3851, 79.8967, 175.1593



102.4869, 79.8967, 107.8008

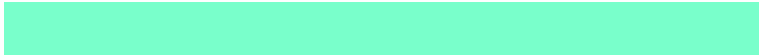


82.8940, 79.8967, 34.8616



# Rectangle

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



54.4246, 79.8967, 69.0530



57.1767, 79.8967, 133.5680



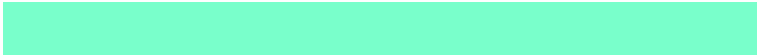
102.4869, 79.8967, 107.8008



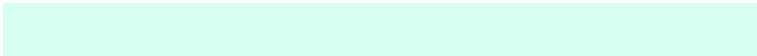
98.4142, 79.8967, 52.7413

# Sweetspot

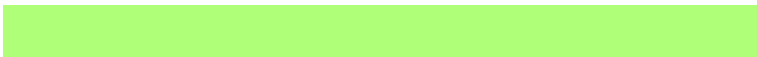
The Sweet Spot groups the original color and five complimentary colors.



54.4254, 79.8971, 69.0544



79.1547, 92.0881, 95.3940



56.8014, 81.9685, 30.9180



16.5552, 19.5184, 20.0654



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.



54.4254, 79.8971, 69.0544



49.9997, 77.7533, 62.6256



57.5689, 74.5518, 105.9635



18.2387, 20.3550, 21.5599



21.8983, 38.6559, 23.1475



2.1857, 3.7852, 2.5359



# Inverse Universe

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



55.6207, 37.9528, 43.9299



51.3333, 31.7516, 35.1832



53.2723, 39.8024, 22.9651



18.3012, 18.1038, 20.2031



22.7921, 11.6061, 7.5556

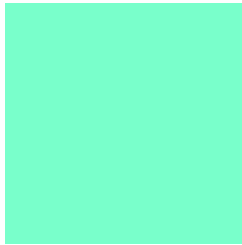


2.2708, 1.1507, 1.0074



# Previews

## White Background



This preview shows how the XYZ color 54.4246, 79.8967, 69.0530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

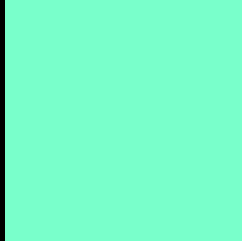
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4246, 79.8967, 69.0530 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 54.4246, 79.8967, 69.0530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4246, 79.8967, 69.0530.



This preview shows how white text looks on a background with the XYZ color 54.4246, 79.8967, 69.0530.



# 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

54.4246, 79.8967, 69.0530

### Protanopia

73.9315, 78.6336, 59.9964

### Deuteranopia

79.3715, 78.3066, 73.8822



## Tritanopia

67.1845, 79.2446, 106.3625

# Trichromacy



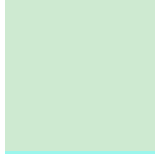
## Original Color

54.4246, 79.8967, 69.0530



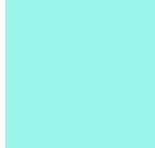
## Protanomaly

63.7136, 77.0950, 63.1525



## Deuteranomaly

66.3850, 76.5709, 71.6024



## Tritanomaly

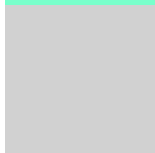
61.6137, 78.9362, 91.3457

# Monochromacy



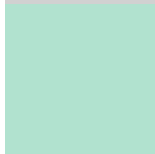
## Original Color

54.4246, 79.8967, 69.0530



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

56.5903, 68.2448, 69.2214

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4246, 79.8967, 69.0530 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(121, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 203)  
}
```

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(121, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4246, 79.8967, 69.0530 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(121, 255, 203) }
```



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

```
.border{ border-color:rgb(121, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4246, 79.8967, 69.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 203) }
```

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

```
.background{ background-color: rgb(121,  
255, 203) }
```

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