

# Converting Colors

XYZ(52.5585, 78.4076, 44.9420)

Have a look what the booklet for  
XYZ(52.5585, 78.4076, 44.9420)  
contains.

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# Color

**XYZ(52.7110, 78.5934,  
45.1928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FFD9F
RGB	143, 253, 159
RGB Percent	56%, 99%, 62%
CMY	0.4392, 0.0078, 0.3765
CMYK	0.43, 0.00, 0.37, 0.01
HSL	129°, 96%, 78%
HSV	129°, 43%, 99%
XYZ	52.7110, 78.5934, 45.1928
YIQ	209.3940, -35.3860, -52.5540

# Conversions

## Conversions Part 2

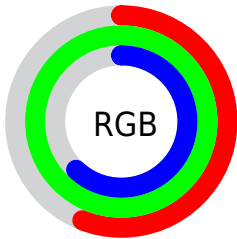
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 239, 253
Decimal	9436575
CIELab	91.05, -50.63, 35.38
CIElCh	91, 61.766, 145.052
Yxy	78.5934, 0.2987, 0.4453
Android (android.graphics.Color)	4287626655 (0xFF8FFD9F)
YUV	209.3940, -24.8442, -58.2275
Hunter-Lab	88.6529, -49.0106, 31.8326

# Details

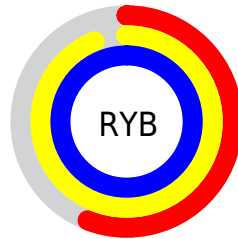
The XYZ color **52.7110, 78.5934, 45.1928** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.6190, 46.6436, 85.6681**, and the grayscale version is **61.0373, 64.2160, 69.9312**.

A 20% lighter version of the original color is **71.9850, 88.7925, 76.9630**, and **26.0878, 42.4518, 20.4547** is the 20% darker color. If you saturate the color by 10%, you get **47.1003, 75.9014, 35.9790**, and if you desaturate by 10%, it is **59.6415, 81.9324, 56.1846**.

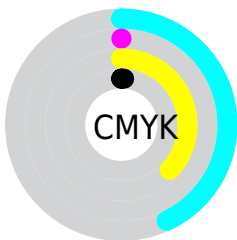
# Distribution



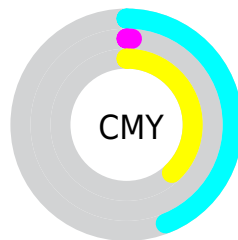
- Red (56%)
- Green (99%)
- Blue (62%)



- Red (56%)
- Yellow (94%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7110, 78.5934, 45.1928 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 52.7110, 78.5934, 45.1928 by changing the saturation by 10% instead.





 52.7110, 78.5934,  
45.1928


 52.7110, 78.5934,  
45.1928

387.4544,  
490.1798, 383.7367

 37.7987, 58.5616,  
31.2653


 93.3470, 131.3863,  
84.3312

 26.0030, 42.2603,  
20.5408


 119.8014,  
164.9161, 110.3791

 16.9586, 29.3052,  
12.6008


150.8338,  
203.7141, 141.3042

 10.3001, 19.3118,  
7.0267

186.8097,  
248.1646, 177.5250

 5.6621, 11.8958,  
3.4001

228.0943,  
298.6520, 219.4602

 2.6794, 6.6728,  
1.3024


275.0531,


 0.9866, 3.2583,


355.5608, 267.5281


0.0638


328.0513,  
419.2752, 322.1475

 0.0000, 1.2680,  
0.0000


 0.0000, 0.1162,  
0.0000


 52.7110, 78.5934,  
45.1928


 52.7110, 78.5934,  
45.1928


 47.1003, 75.9014,  
35.9790


 59.6415, 81.9324,  
56.1846


 42.7191, 73.8050,  
28.4449

 67.9625, 85.9462,  
69.0355

 39.4752, 72.2611,  
22.4904

 77.7471, 90.6730,  
83.8279

 37.2603, 71.2163,  
18.0028

 89.0611, 96.1453,  
100.6377

■ 35.9445, 70.6064,  
14.8545

94.4168, 98.7336,  
108.6889

■ 35.4576, 70.3859,  
13.4511

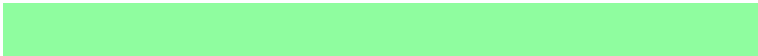
# Harmonies

## Analogous

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



62.7044, 78.5934, 28.9556



52.7110, 78.5934, 45.1928



48.6226, 78.5934, 78.3772

# Triad

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



52.7110, 78.5934, 45.1928



72.1432, 78.5934, 202.8762



105.3056, 78.5934, 54.1069

# Complementary

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



52.7110, 78.5934, 45.1928



65.6190, 46.6436, 85.6681

# 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.



108.7501, 78.5934, 93.2002



52.7110, 78.5934, 45.1928



88.1370, 78.5934, 189.3853

# Square

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



52.7110, 78.5934, 45.1928



58.8008, 78.5934, 177.0788



102.0862, 78.5934, 144.8249

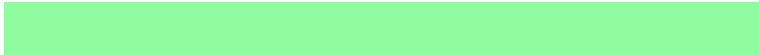


93.2358, 78.5934, 32.7045



# Rectangle

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



52.7110, 78.5934, 45.1928



49.3150, 78.5934, 109.8820



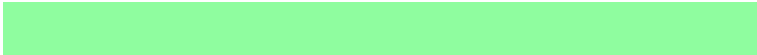
102.0862, 78.5934, 144.8249



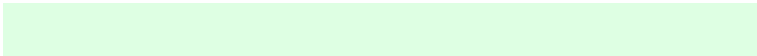
107.5758, 78.5934, 65.1459

# Sweetspot

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



52.7130, 78.5967, 45.1946



79.6582, 92.5539, 86.1022



75.4582, 90.4725, 39.4731



16.5477, 19.5675, 17.6758



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.



52.7130, 78.5967, 45.1946



48.7019, 77.6305, 37.8860



58.4232, 80.8807, 75.2639



17.8792, 20.2112, 19.6668



18.8928, 37.4537, 7.3209



1.8701, 3.6590, 0.8740



# Inverse Universe

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



65.6190, 46.6436, 85.6681



63.3472, 41.3169, 83.7737



58.9147, 43.9618, 50.3637



18.6724, 18.2523, 22.1578



28.1983, 13.7686, 36.0243

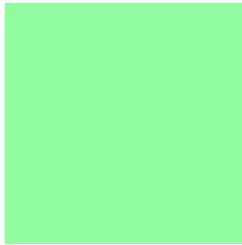


2.7752, 1.3525, 3.6638



# Previews

## White Background



This preview shows how the XYZ color 52.7110, 78.5934, 45.1928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

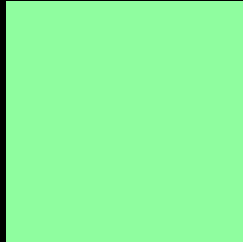
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7110, 78.5934, 45.1928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

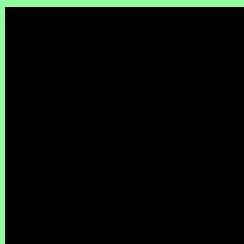
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

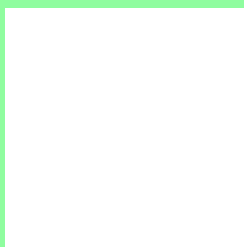
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.7110, 78.5934, 45.1928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7110, 78.5934, 45.1928.



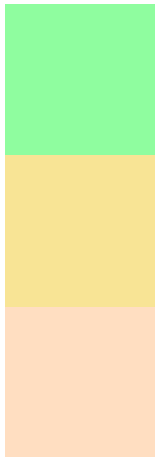
This preview shows how white text looks on a background with the XYZ color 52.7110, 78.5934,



# 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**

52.7110, 78.5934, 45.1928

**Protanopia**

71.8796, 77.6132, 39.6262

**Deuteranopia**

76.9869, 77.3528, 61.3250



## Tritanopia

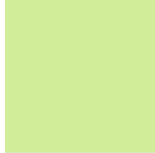
67.0480, 78.3001, 106.1874

# Trichromacy



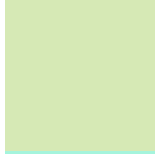
## Original Color

52.7110, 78.5934, 45.1928



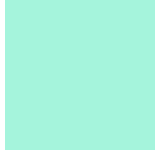
## Protanomaly

62.6123, 76.5699, 41.6164



## Deuteranomaly

65.2110, 75.9102, 54.9312



## Tritanomaly

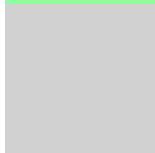
60.7860, 77.8680, 79.5364

# Monochromacy



## Original Color

52.7110, 78.5934, 45.1928



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

56.3368, 67.9263, 59.4320

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7110, 78.5934, 45.1928 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(143, 253, 159)` looks like.

```
.text, #text, p{  
    color:rgb(143, 253, 159)  
}
```

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(143, 253, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 253, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7110, 78.5934, 45.1928 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(143, 253, 159) }
```



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

```
.border{ border-color:rgb(143, 253, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 253, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 253, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 253, 159);  
box-shadow:4px 4px 4px 4px rgb(143, 253,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7110, 78.5934, 45.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 253, 159) }
```

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

```
.background{ background-color: rgb(143,  
253, 159) }
```

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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