

# Converting Colors

XYZ(56.8995, 68.8726,  
119.2195)

Have a look what the booklet for  
XYZ(56.8995, 68.8726, 119.2195)  
contains.

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# Color

**XYZ(54.2320, 67.8786,  
104.8513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79E6FF
RGB	121, 230, 255
RGB Percent	47%, 90%, 100%
CMY	0.5255, 0.0980, 0.0000
CMYK	0.53, 0.10, 0.00, 0.00
HSL	191°, 100%, 74%
HSV	191°, 53%, 100%
XYZ	54.2320, 67.8786, 104.8513
YIQ	200.2590, -72.9890, -15.3330

# Conversions

## Conversions Part 2

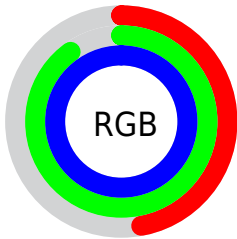
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 181, 255
Decimal	7988991
CIE <sub>Lab</sub>	85.95, -24.71, -21.73
CIE <sub>LCh</sub>	86, 32.909, 221.327
Yxy	67.8786, 0.2389, 0.2991
Android (android.graphics.Color)	4286179071 (0xFF79E6FF)
<b>YUV</b>	200.2590, 26.9873, -69.5101
Hunter-Lab	82.3885, -26.6827, -17.7832

# Details

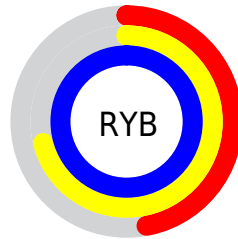
The XYZ color **54.2320, 67.8786, 104.8513** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.9709, 43.1993, 23.5323**, and the grayscale version is **54.9323, 57.7931, 62.9367**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **26.9046, 35.1615, 58.7949** is the 20% darker color. If you saturate the color by 10%, you get **49.8140, 63.6640, 104.2706**, and if you desaturate by 10%, it is **59.6341, 72.6572, 105.4889**.

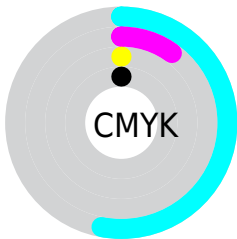
# Distribution



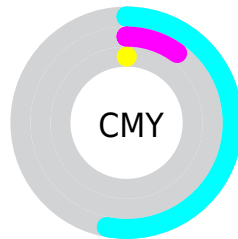
- Red (47%)
- Green (90%)
- Blue (100%)



- Red (47%)
- Yellow (71%)
- Blue (100%)



- Cyan (53%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2320, 67.8786, 104.8513 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 54.2320, 67.8786, 104.8513 by changing the saturation by 10% instead.



54.2320, 67.8786,  
104.8513

54.2320, 67.8786,  
104.8513

393.1780,  
453.0658, 597.0159

39.0186, 49.7990,  
79.7188

95.5697, 116.1785,  
169.9180

26.9550, 35.2537,  
58.9622

122.4247,  
147.1675, 210.6892

17.6758, 23.8584,  
42.1629

153.8909,  
183.2284, 257.5105

10.8158, 15.2286,  
28.9023

190.3337,  
224.7457, 310.8003

6.0095, 8.9800,  
18.7620

232.1185,  
272.1036, 370.9772

2.8916, 4.7281,  
11.3234

279.6106,

1.0967, 2.0886,

325.6867, 438.4598

6.1679

333.1753,  
385.8793, 513.6665

■ 0.0223, 0.6582,  
2.8770

■ 0.0000, 0.0000,  
1.0322

■ 54.2320, 67.8786,  
104.8513

■ 54.2320, 67.8786,  
104.8513

■ 49.8140, 63.6640,  
104.2706

■ 59.6341, 72.6572,  
105.4889

■ 46.2982, 59.9661,  
103.7422

■ 66.0830, 78.0279,  
106.1857

■ 43.5980, 56.7416,  
103.2621

■ 73.6422, 84.0256,  
106.9449

■ 41.6069, 53.9349,  
102.8253

■ 82.3689, 90.6799,  
107.7694

■ 40.4671, 52.0543,  
102.5224

■ 92.3160, 98.0187,  
108.6617

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

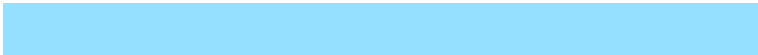
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3217, 67.8786, 82.3656



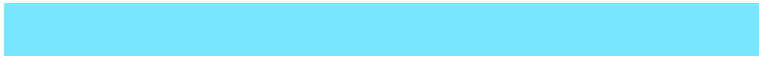
54.2320, 67.8786, 104.8513



59.9861, 67.8786, 120.6251

# Triad

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



54.2320, 67.8786, 104.8513



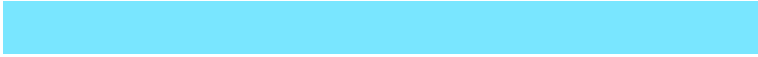
79.2463, 67.8786, 88.0120



61.7112, 67.8786, 40.2187

# Complementary

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



54.2320, 67.8786, 104.8513



54.9709, 43.1993, 23.5323

# 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.



69.2696, 67.8786, 41.1432



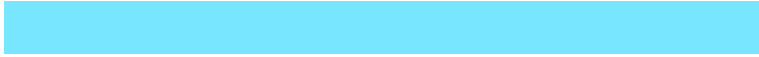
54.2320, 67.8786, 104.8513



79.7988, 67.8786, 66.0506

# Square

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



54.2320, 67.8786, 104.8513



74.5699, 67.8786, 109.6715



76.0255, 67.8786, 49.7441

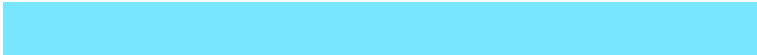


55.4100, 67.8786, 46.9114



# Rectangle

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



54.2320, 67.8786, 104.8513



64.8529, 67.8786, 123.6639



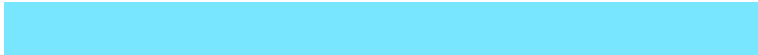
76.0255, 67.8786, 49.7441



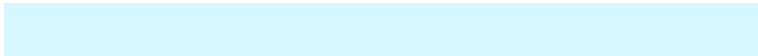
64.1814, 67.8786, 39.6895

# Sweetspot

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



54.2339, 67.8811, 104.8517



79.2198, 88.3058, 107.4771



48.8011, 77.6474, 39.4353



16.5691, 18.6064, 22.9681



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.



54.2339, 67.8811, 104.8517



49.6356, 63.4854, 104.2456



39.1111, 37.6355, 99.8107



18.2498, 19.8713, 23.1236



21.2484, 27.4063, 53.6046



2.1400, 2.8106, 5.2430



# Inverse Universe

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



62.3616, 40.6497, 79.4249



58.8687, 34.7657, 74.8640



68.3775, 70.0125, 28.0011



18.6388, 18.2388, 21.9808



27.5134, 13.4946, 32.4176

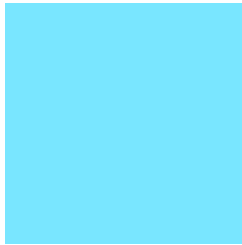


2.7148, 1.3283, 3.3453



# Previews

## White Background



This preview shows how the XYZ color 54.2320, 67.8786, 104.8513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

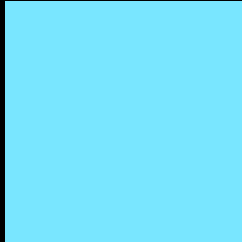
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.2320, 67.8786, 104.8513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

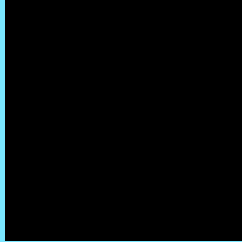
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 54.2320, 67.8786, 104.8513

## Background



This preview shows how black text looks on a background with the XYZ color 54.2320, 67.8786, 104.8513.



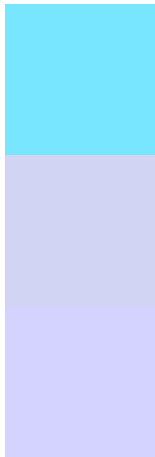
This preview shows how white text looks on a background with the XYZ color 54.2320, 67.8786,



# 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

54.2320, 67.8786, 104.8513

### Protanopia

66.0156, 67.1133, 94.2688

### Deuteranopia

68.2480, 67.3102, 104.0029



## Tritanopia

53.4390, 67.9759, 100.7466

# Trichromacy



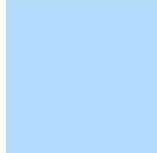
## Original Color

54.2320, 67.8786, 104.8513



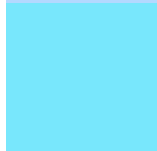
## Protanomaly

60.2515, 66.7255, 97.6994



## Deuteranomaly

61.4533, 66.4294, 104.1910



## Tritanomaly

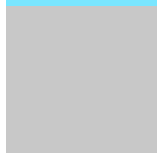
53.8923, 68.1732, 102.4138

# Monochromacy



## Original Color

54.2320, 67.8786, 104.8513



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

53.0071, 60.4138, 76.5774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2320, 67.8786, 104.8513 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 230, 255)  
}
```

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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2320, 67.8786, 104.8513 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, 230, 255) }
```



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

```
.border{ border-color:rgb(121, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(121, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2320, 67.8786, 104.8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 230, 255) }
```

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

```
.background{ background-color: rgb(121,  
230, 255) }
```

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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