

# Converting Colors

XYZ(54.7320, 67.4761,  
104.7473)

Have a look what the booklet for  
XYZ(54.7320, 67.4761, 104.7473)  
contains.

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# **Color**

**XYZ(54.6955, 67.2960,  
104.7144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E4FF
RGB	128, 228, 255
RGB Percent	50%, 89%, 100%
CMY	0.4980, 0.1059, 0.0000
CMYK	0.50, 0.11, 0.00, 0.00
HSL	193°, 100%, 75%
HSV	193°, 50%, 100%
XYZ	54.6955, 67.2960, 104.7144
YIQ	201.1780, -68.2670, -12.8030

# Conversions

## Conversions Part 2

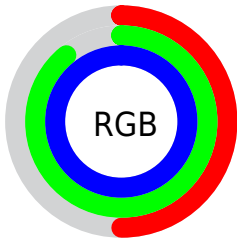
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 184, 255
Decimal	8447231
CIE <sub>Lab</sub>	85.65, -22.27, -22.15
CIE <sub>LCh</sub>	86, 31.413, 224.840
Yxy	67.2960, 0.2413, 0.2968
Android (android.graphics.Color)	4286637311 (0xFF80E4FF)
YUV	201.1780, 26.5342, -64.1771
Hunter-Lab	82.0341, -24.5465, -18.2582

# Details

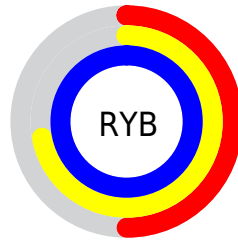
The XYZ color **54.6955, 67.2960, 104.7144** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.8584, 46.2621, 26.3569**, and the grayscale version is **55.5005, 58.3908, 63.5876**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **27.1255, 34.7061, 58.6954** is the 20% darker color. If you saturate the color by 10%, you get **49.8634, 62.6271, 104.0679**, and if you desaturate by 10%, it is **60.5418, 72.5601, 105.4223**.

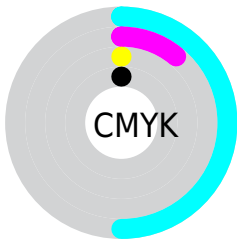
# Distribution



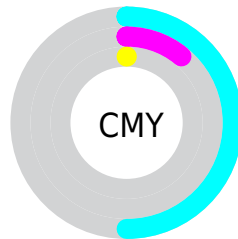
- Red (50%)
- Green (89%)
- Blue (100%)



- Red (50%)
- Yellow (72%)
- Blue (100%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6955, 67.2960, 104.7144 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 54.6955, 67.2960, 104.7144 by changing the saturation by 10% instead.



54.6955, 67.2960,  
104.7144

54.6955, 67.2960,  
104.7144

394.9119,  
450.9977, 596.5793

39.3909, 49.3252,  
79.6048

96.2456, 115.3444,  
169.7291

27.2460, 34.8775,  
58.8689

123.2218,  
146.1909, 210.4712

17.8956, 23.5686,  
42.0883

154.8192,  
182.0980, 257.2613

10.9743, 15.0139,  
28.8444

191.4031,  
223.4502, 310.5178

6.1167, 8.8291,  
18.7185

233.3390,  
270.6319, 370.6593

2.9575, 4.6299,  
11.2923

280.9922,

1.1313, 2.0318,

324.0274, 438.1044

6.1472

334.7280,  
384.0212, 513.2715

■ 0.0511, 0.6258,  
2.8645

■ 0.0000, 0.0000,  
1.0259

■ 54.6955, 67.2960,  
104.7144

■ 54.6955, 67.2960,  
104.7144

■ 49.8634, 62.6271,  
104.0679

■ 60.5418, 72.5601,  
105.4223

■ 45.9657, 58.5073,  
103.4781

■ 67.4630, 78.4468,  
106.1938

■ 42.9197, 54.8947,  
102.9414

■ 75.5215, 84.9905,  
107.0321

■ 40.6247, 51.7368,  
102.4528

■ 84.7734, 92.2207,  
107.9401

■ 38.9196, 48.9498, 95.0500, 100.0000,  
102.0047 108.9000

■ 38.8882, 48.8964,  
101.9961

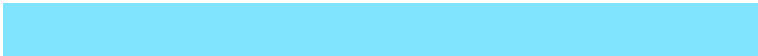
# Harmonies

## Analogous

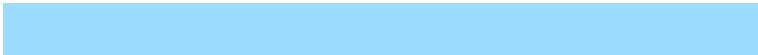
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5650, 67.2960, 83.8352



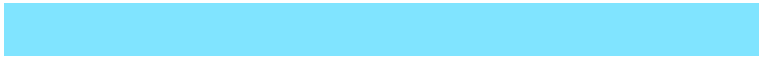
54.6955, 67.2960, 104.7144



60.4322, 67.2960, 118.2599

# Triad

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



54.6955, 67.2960, 104.7144



78.1811, 67.2960, 84.0679



60.5037, 67.2960, 41.4062

# Complementary

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



54.6955, 67.2960, 104.7144



56.8584, 46.2621, 26.3569

# 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.



67.6284, 67.2960, 41.4452



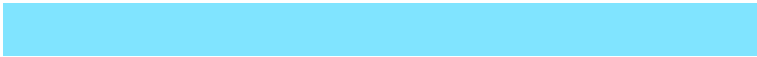
54.6955, 67.2960, 104.7144



78.2039, 67.2960, 63.6391

# Square

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



54.6955, 67.2960, 104.7144



74.1620, 67.2960, 104.9119



74.2219, 67.2960, 48.8556



54.7445, 67.2960, 48.7369



# Rectangle

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



54.6955, 67.2960, 104.7144



65.1306, 67.2960, 119.9613



74.2219, 67.2960, 48.8556



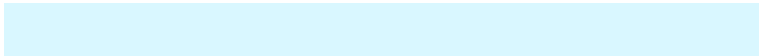
62.8091, 67.2960, 40.6092

# Sweetspot

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



54.6974, 67.2985, 104.7148



79.8117, 88.3748, 107.4593



50.4463, 78.4230, 42.7909



16.6725, 18.5936, 22.9601



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.



54.6974, 67.2985, 104.7148



49.7772, 62.5402, 104.0557



40.6081, 39.1200, 100.0184



18.2078, 19.7873, 23.1096



20.4329, 25.7754, 53.3328



2.0674, 2.6655, 5.2188



# Inverse Universe

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



62.9640, 42.3015, 78.2479



59.2400, 36.0622, 73.2801



69.9242, 72.3938, 30.7121



18.6176, 18.2303, 21.8692



27.1018, 13.3300, 30.2501

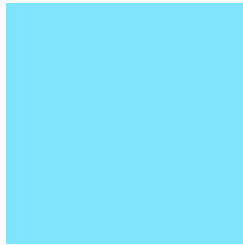


2.6781, 1.3136, 3.1525



# Previews

## White Background



This preview shows how the XYZ color 54.6955, 67.2960, 104.7144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

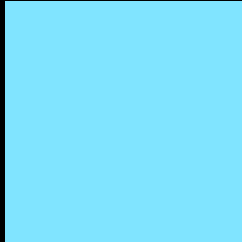
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6955, 67.2960, 104.7144 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 54.6955, 67.2960, 104.7144

## Background



This preview shows how black text looks on a background with the XYZ color 54.6955, 67.2960, 104.7144.



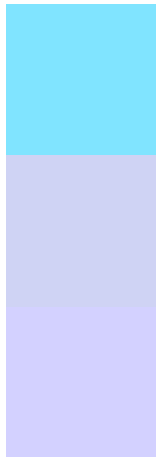
This preview shows how white text looks on a background with the XYZ color 54.6955, 67.2960,



# 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

54.6955, 67.2960, 104.7144

### Protanopia

65.3555, 66.3856, 94.9570

### Deuteranopia

67.7144, 66.6698, 103.9074



## **Tritanopia**

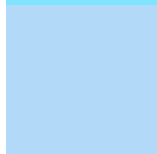
53.5668, 67.2516, 98.9645

# Trichromacy



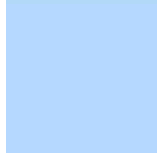
## Original Color

54.6955, 67.2960, 104.7144



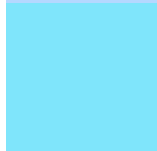
## Protanomaly

60.1162, 65.8680, 98.3523



## Deuteranomaly

61.6619, 66.1555, 104.1271



## Tritanomaly

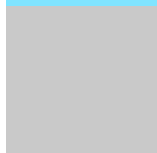
54.1843, 67.5157, 101.4428

# Monochromacy



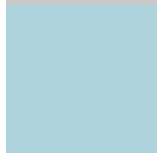
## Original Color

54.6955, 67.2960, 104.7144



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

53.8010, 60.8077, 77.3081

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6955, 67.2960, 104.7144 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(128, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 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(128, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6955, 67.2960, 104.7144 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(128, 228, 255) }
```



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

```
.border{ border-color:rgb(128, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6955, 67.2960, 104.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 255) }
```

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

```
.background{ background-color: rgb(128,  
228, 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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