

# Converting Colors

XYZ(58.9486, 68.9853,  
125.6390)

Have a look what the booklet for  
XYZ(58.9486, 68.9853, 125.6390)  
contains.

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# Color

**XYZ(54.9993, 67.4526,  
104.7286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82E4FF
RGB	130, 228, 255
RGB Percent	51%, 89%, 100%
CMY	0.4902, 0.1059, 0.0000
CMYK	0.49, 0.11, 0.00, 0.00
HSL	193°, 100%, 75%
HSV	193°, 49%, 100%
XYZ	54.9993, 67.4526, 104.7286
YIQ	201.7760, -67.0750, -12.3790

# Conversions

## Conversions Part 2

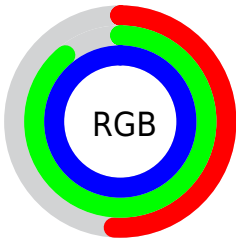
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 185, 255</a>
Decimal	<a href="#">8578303</a>
CIELab	<a href="#">85.73, -21.85, -22.02</a>
CIELCh	<a href="#">86, 31.020, 225.232</a>
Yxy	<a href="#">67.4526, 0.2421, 0.2969</a>
Android (android.graphics.Color)	<a href="#">4286768383 (0xFF82E4FF)</a>
YUV	<a href="#">201.7760, 26.2394, -62.9476</a>
Hunter-Lab	<a href="#">82.1295, -24.1914, -18.1138</a>

# Details

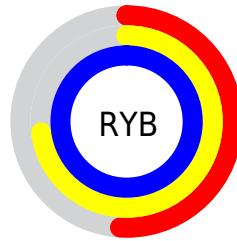
The XYZ color **54.9993, 67.4526, 104.7286** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.3270, 46.9865, 27.1689**, and the grayscale version is **55.8729, 58.7826, 64.0143**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **27.3295, 34.8112, 58.7049** is the 20% darker color. If you saturate the color by 10%, you get **50.0710, 62.6999, 104.0710**, and if you desaturate by 10%, it is **60.9487, 72.8064, 105.4484**.

# Distribution



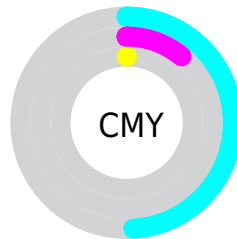
- Red (51%)
- Green (89%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9993, 67.4526, 104.7286 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 54.9993, 67.4526, 104.7286 by changing the saturation by 10% instead.



54.9993, 67.4526,  
104.7286

54.9993, 67.4526,  
104.7286

396.0457,  
451.5541, 596.6246

39.6350, 49.4525,  
79.6166

96.6883, 115.5687,  
169.7487

27.4370, 34.9786,  
58.8786

123.7436,  
146.4535, 210.4938

18.0400, 23.6464,  
42.0960

155.4267,  
182.4021, 257.2871

11.0786, 15.0715,  
28.8504

192.1029,  
223.7987, 310.5471

6.1874, 8.8696,  
18.7231

234.1376,  
271.0278, 370.6923

3.0011, 4.6562,  
11.2956

281.8960,

1.1543, 2.0470,

324.4738, 438.1413

6.1493

335.7436,  
384.5211, 513.3125

■ 0.0699, 0.6346,  
2.8658

■ 0.0000, 0.0000,  
1.0265

■ 54.9993, 67.4526,  
104.7286

■ 54.9993, 67.4526,  
104.7286

■ 50.0710, 62.6999,  
104.0710

■ 60.9487, 72.8064,  
105.4484

■ 46.0848, 58.5023,  
103.4709

■ 67.9794, 78.7884,  
106.2325

■ 42.9589, 54.8186,  
102.9246

■ 76.1535, 85.4328,  
107.0842

■ 40.5940, 51.5968,  
102.4274

■ 85.5266, 92.7689,  
108.0062

■ 38.8437, 48.7609, 95.0500, 100.0000,  
101.9723 108.9000

■ 38.6869, 48.4938,  
101.9290

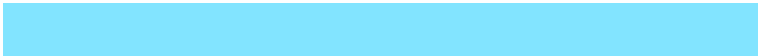
# Harmonies

## Analogous

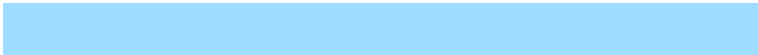
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8593, 67.4526, 84.1654



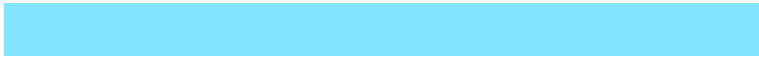
54.9993, 67.4526, 104.7286



60.7057, 67.4526, 117.9348

# Triad

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



54.9993, 67.4526, 104.7286



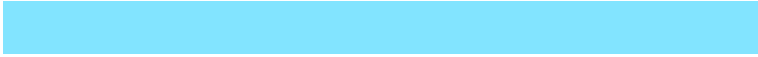
78.1888, 67.4526, 83.8314



60.6029, 67.4526, 41.8975

# Complementary

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



54.9993, 67.4526, 104.7286



57.3270, 46.9865, 27.1689

# 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.



67.6427, 67.4526, 41.8412



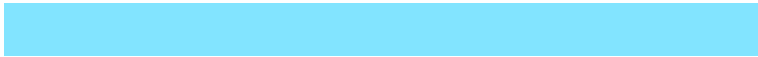
54.9993, 67.4526, 104.7286



78.1561, 67.4526, 63.6748

# Square

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



54.9993, 67.4526, 104.7286



74.2648, 67.4526, 104.4456



74.1787, 67.4526, 49.1075



54.9288, 67.4526, 49.2787

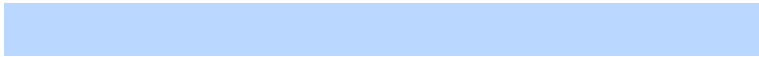


# Rectangle

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



54.9993, 67.4526, 104.7286



65.3605, 67.4526, 119.4839



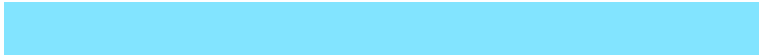
74.1787, 67.4526, 49.1075



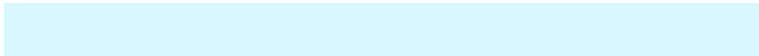
62.8788, 67.4526, 41.0730

# Sweetspot

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



55.0012, 67.4551, 104.7290



79.7719, 88.2953, 107.4460



50.8836, 78.6330, 43.5082



16.6628, 18.5743, 22.9569



0.0000, 0.0000, 0.0000

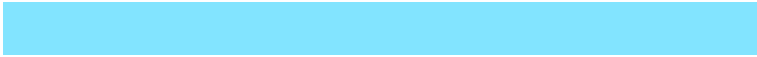


20.3446, 21.4041, 23.3091



# Same Dimension

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



55.0012, 67.4551, 104.7290



50.0788, 62.7077, 104.0721



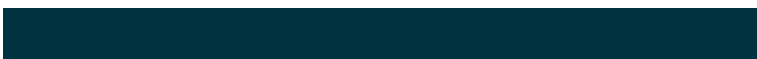
41.1680, 39.7887, 100.1179



18.2024, 19.7764, 23.1078



20.3289, 25.5673, 53.2981



2.0581, 2.6469, 5.2157



# Inverse Universe

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



63.2275, 42.8284, 78.3357



59.4986, 36.5728, 73.3864



70.2120, 72.7566, 31.4640



18.6148, 18.2292, 21.8546



27.0493, 13.3090, 29.9736

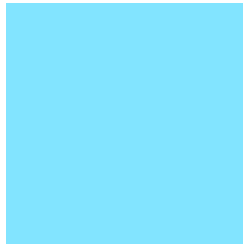


2.6734, 1.3118, 3.1278



# Previews

## White Background



This preview shows how the XYZ color 54.9993, 67.4526, 104.7286 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

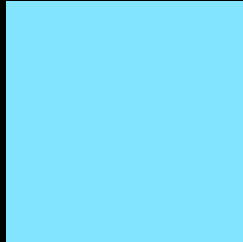
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9993, 67.4526, 104.7286 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

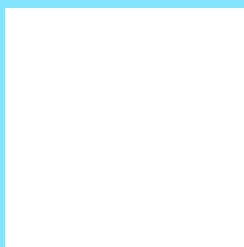
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 54.9993, 67.4526, 104.7286

## Background



This preview shows how black text looks on a background with the XYZ color 54.9993, 67.4526, 104.7286.



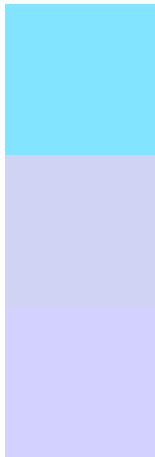
This preview shows how white text looks on a background with the XYZ color 54.9993, 67.4526,



# 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

54.9993, 67.4526, 104.7286

### Protanopia

65.6358, 66.5301, 94.9702

### Deuteranopia

67.7144, 66.6698, 103.9074



## Tritanopia

53.8647, 67.4051, 98.9785

# Trichromacy



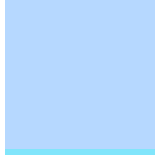
## Original Color

54.9993, 67.4526, 104.7286



## Protanomaly

60.5785, 66.1063, 98.3739



## Deuteranomaly

61.8973, 66.2768, 104.1381



## Tritanomaly

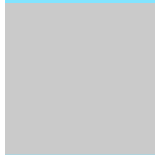
54.4852, 67.6708, 101.4569

# Monochromacy



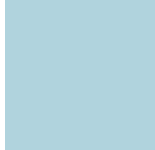
## Original Color

54.9993, 67.4526, 104.7286



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

54.2499, 61.0391, 77.3291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9993, 67.4526, 104.7286 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9993, 67.4526, 104.7286 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, 228, 255) }
```



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

```
.border{ border-color:rgb(130, 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(130, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 228, 255); box-shadow:4px 4px 4px 4px rgb(130, 228, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9993, 67.4526, 104.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 228, 255) }
```

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

```
.background{ background-color: rgb(130,  
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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