

# Converting Colors

XYZ(54.8570, 69.2380,  
105.0807)

Have a look what the booklet for  
XYZ(54.8570, 69.2380, 105.0807)  
contains.

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# **Color**

**XYZ(54.6523, 68.9263,  
105.0314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78E8FF
RGB	120, 232, 255
RGB Percent	47%, 91%, 100%
CMY	0.5294, 0.0902, 0.0000
CMYK	0.53, 0.09, 0.00, 0.00
HSL	190°, 100%, 74%
HSV	190°, 53%, 100%
XYZ	54.6523, 68.9263, 105.0314
YIQ	201.1340, -74.1350, -16.5910

# Conversions

## Conversions Part 2

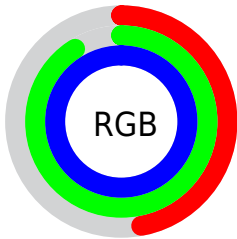
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 181, 255
Decimal	7923967
CIE <sub>Lab</sub>	86.47, -25.89, -20.95
CIE <sub>LCh</sub>	86, 33.305, 218.969
Yxy	68.9263, 0.2391, 0.3015
Android (android.graphics.Color)	4286114047 (0xFF78E8FF)
YUV	201.1340, 26.5559, -71.1545
Hunter-Lab	83.0219, -27.7838, -16.8928

# Details

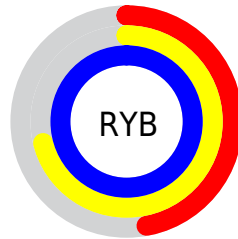
The XYZ color **54.6523, 68.9263, 105.0314** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.4533, 42.2618, 23.0585**, and the grayscale version is **55.4757, 58.3648, 63.5593**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **27.1866, 35.8848, 58.9197** is the 20% darker color. If you saturate the color by 10%, you get **50.3680, 64.9263, 104.4851**, and if you desaturate by 10%, it is **59.9121, 73.4771, 105.6325**.

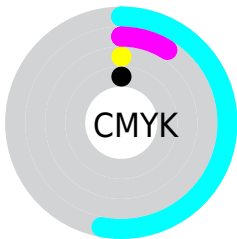
# Distribution



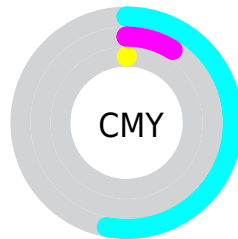
- Red (47%)
- Green (91%)
- Blue (100%)



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



- Cyan (53%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6523, 68.9263, 105.0314 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 54.6523, 68.9263, 105.0314 by changing the saturation by 10% instead.



54.6523, 68.9263,  
105.0314

54.6523, 68.9263,  
105.0314

394.7505,  
456.7710, 597.5901

39.3562, 50.6517,  
79.8689

96.1826, 117.6763,  
170.1664

27.2189, 35.9315,  
59.0849

123.1475,  
148.9205, 210.9760

17.8751, 24.3813,  
42.2610

154.7327,  
185.2567, 257.8383

10.9595, 15.6167,  
28.9786

191.3035,  
227.0692, 311.1719

6.1067, 9.2533,  
18.8192

233.2254,  
274.7425, 371.3953

2.9513, 4.9068,  
11.3642

280.8636,

1.1281, 2.1927,

328.6610, 438.9272

6.1951

334.5835,  
389.2090, 514.1859

■ 0.0484, 0.7160,  
2.8934

■ 0.0000, 0.0000,  
1.0405

■ 54.6523, 68.9263,  
105.0314

■ 54.6523, 68.9263,  
105.0314

■ 50.3680, 64.9263,  
104.4851

■ 59.9121, 73.4771,  
105.6325

■ 46.9768, 61.4297,  
103.9889

■ 66.2100, 78.6067,  
106.2907

■ 44.3918, 58.3930,  
103.5390

■ 73.6099, 84.3500,  
107.0093

■ 42.5054, 55.7603,  
103.1303

■ 82.1691, 90.7367,  
107.7909

■ 41.4838, 54.0876,  
102.8613

■ 91.9405, 97.7944,  
108.6382

95.0500, 100.0000,  
108.9000

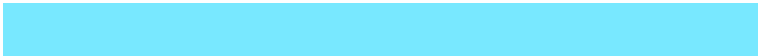
# Harmonies

## Analogous

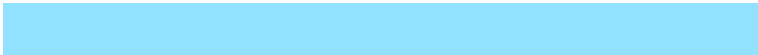
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9368, 68.9263, 81.8623



54.6523, 68.9263, 105.0314



60.3365, 68.9263, 122.0448

# Triad

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



54.6523, 68.9263, 105.0314



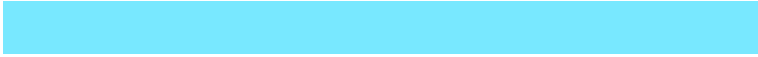
80.3417, 68.9263, 91.3346



63.2290, 68.9263, 40.4466

# Complementary

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



54.6523, 68.9263, 105.0314



54.4533, 42.2618, 23.0585

# 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.



70.9761, 68.9263, 41.9947



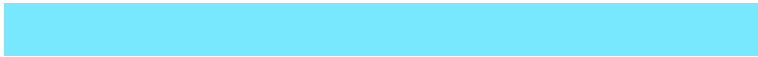
54.6523, 68.9263, 105.0314



81.2687, 68.9263, 68.6247

# Square

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



54.6523, 68.9263, 105.0314



75.2817, 68.9263, 113.1213



77.7235, 68.9263, 51.3959



56.6271, 68.9263, 46.6501

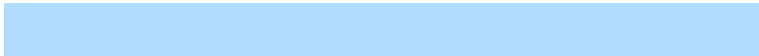


# Rectangle

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



54.6523, 68.9263, 105.0314



65.2461, 68.9263, 125.9869



77.7235, 68.9263, 51.3959



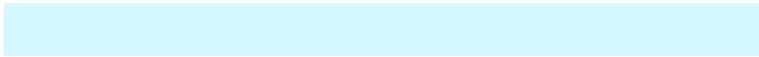
65.7794, 68.9263, 40.1085

# Sweetspot

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



54.6542, 68.9288, 105.0318



79.4227, 88.7116, 107.5448



48.4270, 77.4817, 38.1935



16.6179, 18.7039, 22.9843



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.



54.6542, 68.9288, 105.0318



49.9672, 64.5320, 104.4301



39.2524, 38.1252, 99.8978



18.2761, 19.9237, 23.1324



21.7731, 28.4557, 53.7795



2.1864, 2.9035, 5.2585



# Inverse Universe

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



62.5232, 40.5208, 80.8726



58.9424, 34.4367, 76.3573



67.6776, 68.7104, 27.4666



18.6520, 18.2441, 22.0505



27.7782, 13.6006, 33.8123



2.7382, 1.3377, 3.4688



# Previews

## White Background



This preview shows how the XYZ color 54.6523, 68.9263, 105.0314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

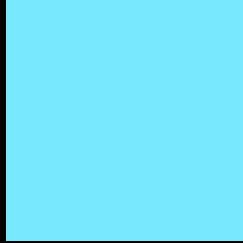
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6523, 68.9263, 105.0314 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 54.6523, 68.9263, 105.0314

## Background



This preview shows how black text looks on a background with the XYZ color 54.6523, 68.9263, 105.0314.



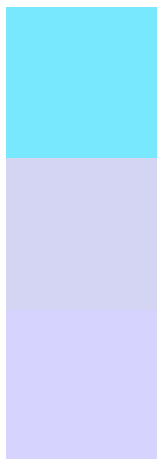
This preview shows how white text looks on a background with the XYZ color 54.6523, 68.9263,



# 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

54.6523, 68.9263, 105.0314

### Protanopia

66.8359, 67.9084, 94.3790

### Deuteranopia

69.0758, 68.1047, 104.1126



## Tritanopia

54.1592, 69.1648, 101.7624

# Trichromacy



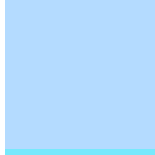
## Original Color

54.6523, 68.9263, 105.0314



## Protanomaly

60.7418, 67.3668, 97.7973



## Deuteranomaly

62.2039, 67.5863, 104.3747



## Tritanomaly

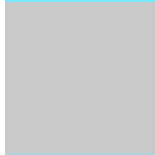
54.3173, 69.2280, 102.5950

# Monochromacy



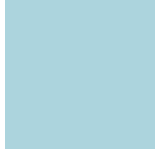
## Original Color

54.6523, 68.9263, 105.0314



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

53.6079, 61.0781, 77.3704

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6523, 68.9263, 105.0314 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(120, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 232, 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(120, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6523, 68.9263, 105.0314 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(120, 232, 255) }
```



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

```
.border{ border-color:rgb(120, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 232, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 232, 255); box-shadow:4px 4px 4px 4px rgb(120, 232, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6523, 68.9263, 105.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 232, 255) }
```

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

```
.background{ background-color: rgb(120,  
232, 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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