

# Converting Colors

XYZ(54.5523, 60.5041, 98.1194)

Have a look what the booklet for  
XYZ(54.5523, 60.5041, 98.1194)  
contains.

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# Color

**XYZ(54.4436, 60.3037,  
98.3928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD2F9
RGB	159, 210, 249
RGB Percent	62%, 82%, 98%
CMY	0.3765, 0.1765, 0.0235
CMYK	0.36, 0.16, 0.00, 0.02
HSL	206°, 88%, 80%
HSV	206°, 36%, 98%
XYZ	54.4436, 60.3037, 98.3928
YIQ	199.1970, -42.9150, 1.3170

# Conversions

## Conversions Part 2

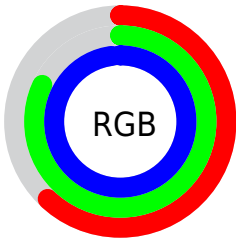
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 192, 249
Decimal	10474233
CIE Lab	82.00, -7.18, -24.39
CIE LCh	82, 25.423, 253.595
Yxy	60.3037, 0.2554, 0.2829
Android (android.graphics.Color)	4288664313 (0xFF9FD2F9)
YUV	199.1970, 24.5529, -35.2528
Hunter-Lab	77.6555, -10.7522, -20.7642

# Details

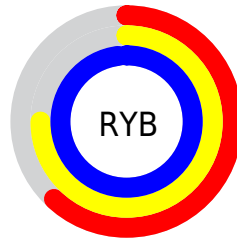
The XYZ color **54.4436, 60.3037, 98.3928** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.5202, 63.0323, 41.5160**, and the grayscale version is **54.2815, 57.1084, 62.1910**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **27.1118, 30.5258, 54.3323** is the 20% darker color. If you saturate the color by 10%, you get **47.4199, 52.8620, 97.3276**, and if you desaturate by 10%, it is **62.6453, 68.6221, 99.5672**.

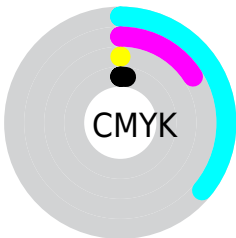
# Distribution



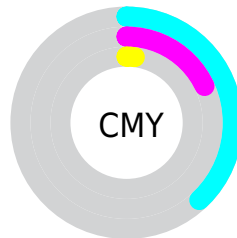
- Red (62%)
- Green (82%)
- Blue (98%)



- Red (62%)
- Yellow (75%)
- Blue (98%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (18%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4436, 60.3037, 98.3928 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 54.4436, 60.3037, 98.3928 by changing the saturation by 10% instead.



■ 54.4436, 60.3037,  
98.3928

■ 54.4436, 60.3037,  
98.3928

393.9701,  
425.7163, 576.2301

■ 39.1885, 43.6635,  
74.3496

■ 95.8783, 105.2701,  
160.9793

■ 27.0878, 30.4060,  
54.5817

■ 122.7887,  
134.3651, 200.3597

■ 17.7761, 20.1470,  
38.6706

154.3149,  
168.3804, 245.6896

■ 10.8881, 12.5019,  
26.1977

190.8222,  
207.7005, 297.3875

■ 6.0584, 7.0865,  
16.7445

232.6760,  
252.7097, 355.8719

■ 2.9216, 3.5162,  
9.8925

280.2417,

■ 1.1124, 1.4068,

303.7925, 421.5615

5.2230

333.8846,  
361.3332, 494.8747

■ 0.0355, 0.2217,  
2.3177

■ 0.0000, 0.0000,  
0.7411

■ 54.4436, 60.3037,  
98.3928

■ 54.4436, 60.3037,  
98.3928

■ 47.4199, 52.8620,  
97.3276

■ 62.6453, 68.6221,  
99.5672

■ 41.5049, 46.2518,  
96.3635

■ 72.0777, 77.8453,  
100.8503

■ 36.6303, 40.4341,  
95.4975

■ 82.7971, 88.0086,  
102.2470

■ 32.7171, 35.3625,  
94.7248

■ 93.5157, 98.4529,  
103.6981

■ 29.6732, 30.9838,  
94.0401

■ 94.0991, 99.6196,  
103.8925

■ 27.3853, 27.2336,  
93.4368

■ 26.6393, 25.9201,  
93.2226

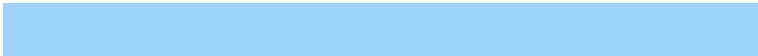
# Harmonies

## Analogous

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



50.1440, 60.3037, 88.2913



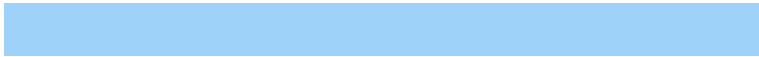
54.4436, 60.3037, 98.3928



59.7840, 60.3037, 98.8861

# Triad

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



54.4436, 60.3037, 98.3928



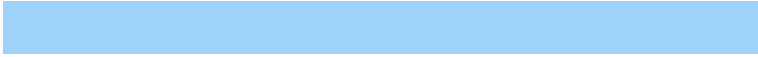
67.9754, 60.3037, 58.9372



50.4729, 60.3037, 46.4500

# Complementary

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



54.4436, 60.3037, 98.3928



65.5202, 63.0323, 41.5160

# 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.



54.9185, 60.3037, 40.8607



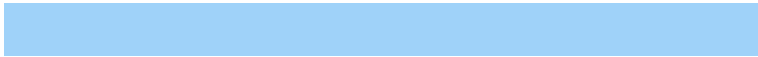
54.4436, 60.3037, 98.3928



65.1431, 60.3037, 47.2704

# Square

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



54.4436, 60.3037, 98.3928



67.8284, 60.3037, 74.3914



60.2895, 60.3037, 41.1354

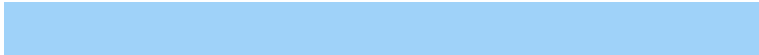


47.9516, 60.3037, 57.6409



# Rectangle

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



54.4436, 60.3037, 98.3928



63.2358, 60.3037, 93.5710



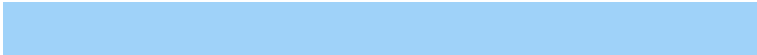
60.2895, 60.3037, 41.1354



51.7793, 60.3037, 43.9380

# Sweetspot

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



54.4455, 60.3060, 98.3942



81.7171, 87.5514, 107.1999



58.1962, 79.1320, 64.7320



17.1643, 18.4295, 22.9025



0.0000, 0.0000, 0.0000

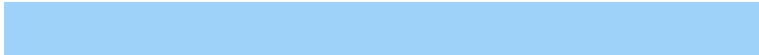


20.3446, 21.4041, 23.3091

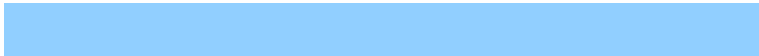


# Same Dimension

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



54.4455, 60.3060, 98.3942



52.2197, 58.1333, 103.0763



45.1260, 41.6670, 95.2877



17.0994, 18.2756, 22.0116



14.4034, 14.1624, 49.9480



1.4394, 1.5224, 4.6612



# Inverse Universe

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



63.0996, 49.5910, 67.2216



62.7410, 46.1468, 64.9442



76.9297, 85.8512, 45.3191



17.6567, 17.3900, 20.0479



23.5622, 11.8406, 14.9349

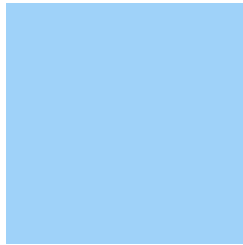


2.2355, 1.1179, 1.6633



# Previews

## White Background



This preview shows how the XYZ color 54.4436, 60.3037, 98.3928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

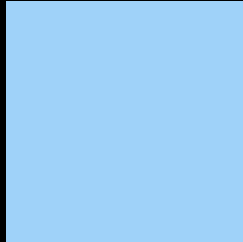
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4436, 60.3037, 98.3928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

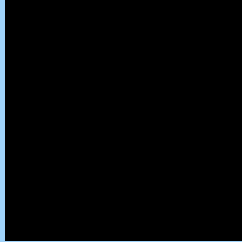
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

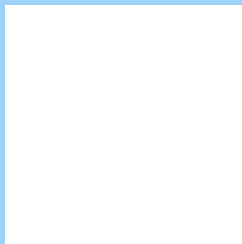
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.4436, 60.3037, 98.3928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4436, 60.3037, 98.3928.



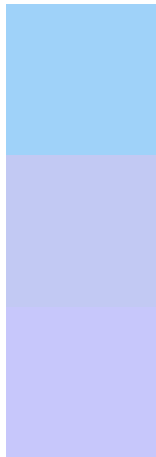
This preview shows how white text looks on a background with the XYZ color 54.4436, 60.3037,



# 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

54.4436, 60.3037, 98.3928

### Protanopia

59.3124, 59.7137, 93.1938

### Deuteranopia

61.3892, 59.9540, 99.6035



## Tritanopia

51.4036, 60.1717, 83.7680

# Trichromacy



## Original Color

54.4436, 60.3037, 98.3928

## Protanomaly

57.1304, 59.6021, 94.8795

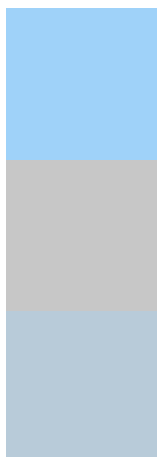
## Deuteranomaly

58.3784, 59.8043, 98.9090

## Tritanomaly

52.5398, 60.2693, 88.9848

# Monochromacy



## Original Color

54.4436, 60.3037, 98.3928

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

53.6475, 57.9120, 73.9962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4436, 60.3037, 98.3928 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(159, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 210, 249)  
}
```

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(159, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 210, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4436, 60.3037, 98.3928 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(159, 210, 249) }
```



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

```
.border{ border-color:rgb(159, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(159, 210,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4436, 60.3037, 98.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 210, 249) }
```

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

```
.background{ background-color: rgb(159,  
210, 249) }
```

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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