

# Converting Colors

XYZ(54.8498, 62.9890, 98.4008)

Have a look what the booklet for  
XYZ(54.8498, 62.9890, 98.4008)  
contains.

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# Color

**XYZ(54.8930, 63.1753,  
98.1078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D9F8
RGB	153, 217, 248
RGB Percent	60%, 85%, 97%
CMY	0.4000, 0.1490, 0.0274
CMYK	0.38, 0.12, 0.00, 0.03
HSL	200°, 87%, 79%
HSV	200°, 38%, 97%
XYZ	54.8930, 63.1753, 98.1078
YIQ	201.3980, -48.0950, -3.9270

# Conversions

## Conversions Part 2

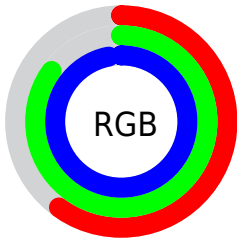
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 191, 248
Decimal	10082808
CIE <sub>Lab</sub>	83.53, -12.64, -21.56
CIE <sub>LCh</sub>	84, 24.994, 239.615
Yxy	63.1753, 0.2539, 0.2922
Android (android.graphics.Color)	4288272888 (0xFF99D9F8)
YUV	201.3980, 22.9748, -42.4450
Hunter-Lab	79.4829, -15.8182, -17.5452

# Details

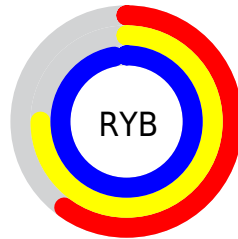
The XYZ color **54.8930, 63.1753, 98.1078** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6029, 56.5385, 37.8050**, and the grayscale version is **55.6491, 58.5472, 63.7579**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **27.3645, 32.1878, 54.6398** is the 20% darker color. If you saturate the color by 10%, you get **48.6551, 56.9399, 97.2341**, and if you desaturate by 10%, it is **62.2099, 70.1216, 99.0640**.

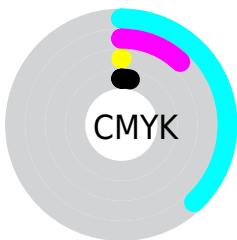
# Distribution



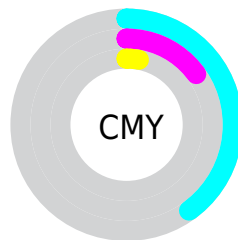
- Red (60%)
- Green (85%)
- Blue (97%)



- Red (60%)
- Yellow (75%)
- Blue (97%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (40%)
- Magenta (15%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8930, 63.1753, 98.1078 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 54.8930, 63.1753, 98.1078 by changing the saturation by 10% instead.



■ 54.8930, 63.1753,  
98.1078

■ 54.8930, 63.1753,  
98.1078

395.6492,  
436.2054, 575.3037

■ 39.5496, 45.9830,  
74.1132

■ 96.5334, 109.4224,  
160.5836

■ 27.3702, 32.2324,  
54.3893

■ 123.5611,  
139.2460, 199.9018

■ 17.9894, 21.5391,  
38.5177

155.2142,  
174.0488, 245.1649

■ 11.0421, 13.5186,  
26.0798

191.8582,  
214.2153, 296.7915

■ 6.1626, 7.7866,  
16.6571

233.8583,  
260.1298, 355.2002

■ 2.9858, 3.9587,  
9.8309

281.5799,

■ 1.1463, 1.6505,

312.1767, 420.8094

5.1829

335.3885,  
370.7405, 494.0377

■ 0.0633, 0.3913,  
2.2943

■ 0.0000, 0.0000,  
0.7280

■ 54.8930, 63.1753,  
98.1078

■ 54.8930, 63.1753,  
98.1078

■ 48.6551, 56.9399,  
97.2341

■ 62.2099, 70.1216,  
99.0640

■ 43.4280, 51.3739,  
96.4353

■ 70.6568, 77.8030,  
100.1015

■ 39.1447, 46.4420,  
95.7091

■ 80.2883, 86.2510,  
101.2245

■ 35.7269, 42.1015,  
95.0514

■ 91.1537, 95.4932,  
102.4358

■ 33.0822, 38.3024,  
94.4575

■ 93.9435, 99.5574,  
103.0732

■ 31.0820, 34.9762,  
93.9209

■ 30.7766, 34.4435,  
93.8342

# Harmonies

## Analogous

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



51.3771, 63.1753, 84.7340



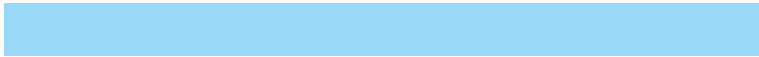
54.8930, 63.1753, 98.1078



59.9758, 63.1753, 103.4310

# Triad

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



54.8930, 63.1753, 98.1078



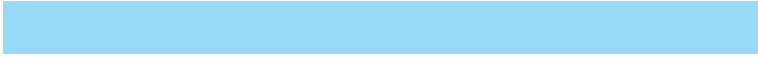
71.1635, 63.1753, 68.9893



55.0081, 63.1753, 45.8271

# Complementary

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



54.8930, 63.1753, 98.1078



61.6029, 56.5385, 37.8050

# 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.



60.1168, 63.1753, 42.8975



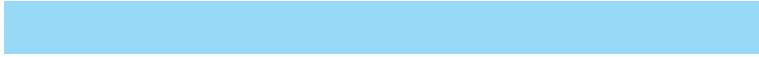
54.8930, 63.1753, 98.1078



69.6395, 63.1753, 54.9782

# Square

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



54.8930, 63.1753, 98.1078



69.5617, 63.1753, 85.1366



65.5123, 63.1753, 45.9813



51.4407, 63.1753, 54.6775



# Rectangle

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



54.8930, 63.1753, 98.1078



63.6385, 63.1753, 101.1596



65.5123, 63.1753, 45.9813



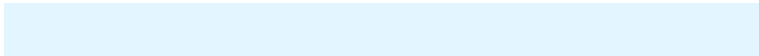
56.5917, 63.1753, 44.1827

# Sweetspot

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



54.8950, 63.1778, 98.1093



82.6221, 89.3614, 107.5016



55.2618, 77.3309, 56.8608



17.3803, 18.8616, 22.9746



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

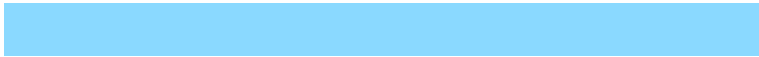


# Same Dimension

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



54.8950, 63.1778, 98.1093



53.2237, 62.0817, 103.7855



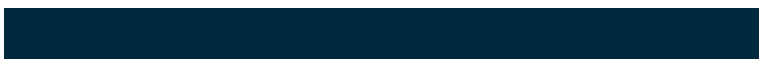
44.5348, 42.4574, 94.6559



17.2605, 18.5979, 22.0653



16.7586, 18.8727, 50.7331



1.6486, 1.9409, 4.7309



# Inverse Universe

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



62.6287, 47.7505, 71.5641



62.7741, 44.3464, 70.7094



72.9219, 79.1767, 41.5781



17.7380, 17.4226, 20.4763



24.7510, 12.3161, 21.1948

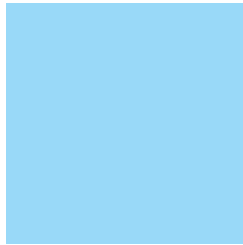


2.3411, 1.1602, 2.2195



# Previews

## White Background



This preview shows how the XYZ color 54.8930, 63.1753, 98.1078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

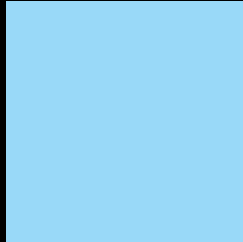
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8930, 63.1753, 98.1078 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

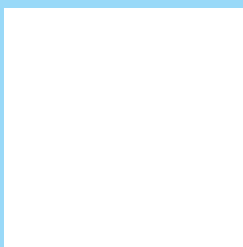
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8930, 63.1753, 98.1078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8930, 63.1753, 98.1078.



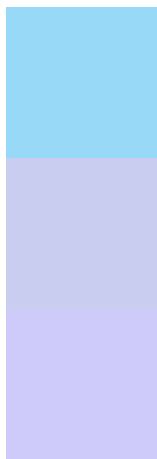
This preview shows how white text looks on a background with the XYZ color 54.8930, 63.1753,



# 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

54.8930, 63.1753, 98.1078

### Protanopia

61.8869, 62.8514, 91.3078

### Deuteranopia

64.2221, 62.7987, 100.0033



## Tritanopia

53.1953, 63.2615, 89.5278

# Trichromacy



## Original Color

54.8930, 63.1753, 98.1078

## Protanomaly

58.9914, 62.7546, 93.7977

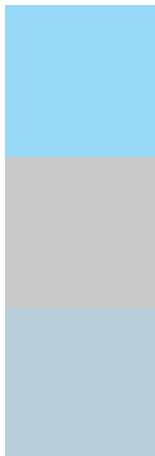
## Deuteranomaly

60.3047, 62.5787, 99.3430

## Tritanomaly

53.7111, 63.0730, 92.5625

# Monochromacy



## Original Color

54.8930, 63.1753, 98.1078

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

54.7349, 59.8779, 75.0024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8930, 63.1753, 98.1078 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(153, 217, 248)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 248)  
}
```

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(153, 217, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8930, 63.1753, 98.1078 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(153, 217, 248) }
```



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

```
.border{ border-color:rgb(153, 217, 248) }
```

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

Here you see how a box with a 4 pixel rgb(153, 217, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 248);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8930, 63.1753, 98.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 248) }
```

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

```
.background{ background-color: rgb(153,  
217, 248) }
```

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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