

# Converting Colors

XYZ(51.8403, 59.1934,  
105.6531)

Have a look what the booklet for  
XYZ(51.8403, 59.1934, 105.6531)  
contains.

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# Color

**XYZ(51.3359, 58.9594,  
103.2824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D3FF
RGB	135, 211, 255
RGB Percent	53%, 83%, 100%
CMY	0.4706, 0.1725, 0.0000
CMYK	0.47, 0.17, 0.00, 0.00
HSL	202°, 100%, 76%
HSV	202°, 47%, 100%
XYZ	51.3359, 58.9594, 103.2824
YIQ	193.2920, -59.4200, -2.4280

# Conversions

## Conversions Part 2

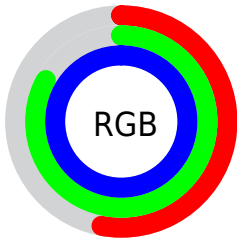
Format	Color
<a href="#">RYB</a>	<a href="#">135, 182, 255</a>
Decimal	<a href="#">8901631</a>
CIELab	<a href="#">81.27, -12.07, -28.80</a>
CIElCh	<a href="#">81, 31.233, 247.259</a>
Yxy	<a href="#">58.9594, 0.2404, 0.2761</a>
Android (android.graphics.Color)	<a href="#">4287091711 (0xFF87D3FF)</a>
YUV	<a href="#">193.2920, 30.4220, -51.1221</a>
Hunter-Lab	<a href="#">76.7850, -15.0347, -26.0006</a>

# Details

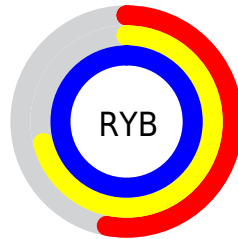
The XYZ color **51.3359, 58.9594, 103.2824** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.7340, 55.2503, 30.3342**, and the grayscale version is **50.7135, 53.3546, 58.1031**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **25.0620, 29.3907, 57.7781** is the 20% darker color. If you saturate the color by 10%, you get **45.4584, 52.5821, 102.3612**, and if you desaturate by 10%, it is **58.3344, 66.1177, 104.2952**.

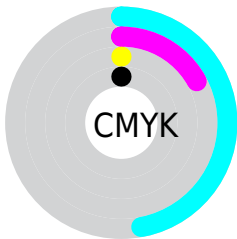
# Distribution



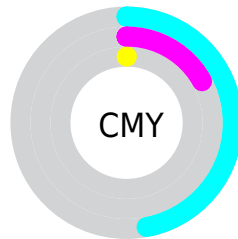
- Red (53%)
- Green (83%)
- Blue (100%)



- Red (53%)
- Yellow (71%)
- Blue (100%)



- Cyan (47%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3359, 58.9594, 103.2824 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 51.3359, 58.9594, 103.2824 by changing the saturation by 10% instead.



51.3359, 58.9594,  
103.2824

51.3359, 58.9594,  
103.2824

382.2336,  
420.7514, 592.0022

36.6981, 42.5804,  
78.4125

91.3311, 103.3187,  
167.7518

25.1465, 29.5561,  
57.8945

117.4193,  
132.0677, 208.1883

16.3155, 19.5019,  
41.3097

148.0550,  
165.7090, 254.6509

9.8400, 12.0335,  
28.2396

183.6036,  
204.6268, 307.5580

5.3544, 6.7665,  
18.2657

224.4304,  
249.2055, 367.3281

2.4936, 3.3165,  
10.9695

270.9007,

0.8920, 1.2991,

299.8296, 434.3798

5.9324

323.3800,  
356.8835, 509.1316

■ 0.0000, 0.1405,  
2.7359

■ 0.0000, 0.0000,  
0.9614

■ 51.3359, 58.9594,  
103.2824

■ 51.3359, 58.9594,  
103.2824

■ 45.4584, 52.5821,  
102.3612

■ 58.3344, 66.1177,  
104.2952

■ 40.6231, 46.9380,  
101.5266

■ 66.5151, 74.0881,  
105.4024

■ 36.7485, 41.9829,  
100.7744

■ 75.9408, 82.9073,  
106.6079

■ 33.7371, 37.6630,  
100.0993

■ 86.6679, 92.6077,  
107.9149

■ 31.4651, 33.9107, 95.0500, 100.0000,  
99.4948 108.9000

■ 30.8830, 32.8860,  
99.3277

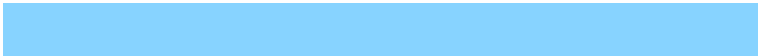
# Harmonies

## Analogous

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



46.6507, 58.9594, 88.4516



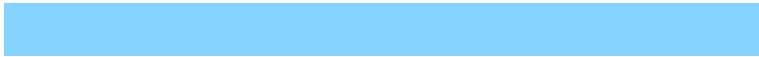
51.3359, 58.9594, 103.2824



57.6365, 58.9594, 106.7543

# Triad

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



51.3359, 58.9594, 103.2824



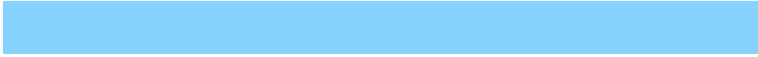
69.4032, 58.9594, 59.7707



48.7939, 58.9594, 39.6721

# Complementary

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



51.3359, 58.9594, 103.2824



61.7340, 55.2503, 30.3342

# 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.



54.4716, 58.9594, 34.7854



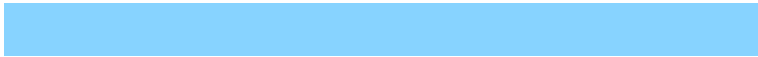
51.3359, 58.9594, 103.2824



66.6096, 58.9594, 44.8385

# Square

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



51.3359, 58.9594, 103.2824



68.4010, 58.9594, 79.0841



61.0212, 58.9594, 36.4742

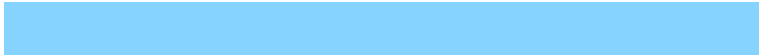


45.2643, 58.9594, 51.3058



# Rectangle

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



51.3359, 58.9594, 103.2824



61.9731, 58.9594, 101.6506



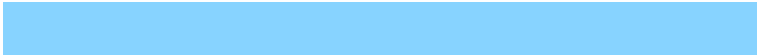
61.0212, 58.9594, 36.4742



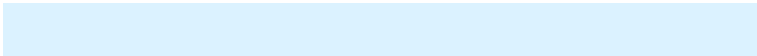
50.4966, 58.9594, 37.3000

# Sweetspot

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



51.3376, 58.9615, 103.2827



79.0792, 85.7776, 106.9966



53.6886, 79.8458, 54.1788



16.4493, 17.9245, 22.8427



0.0000, 0.0000, 0.0000

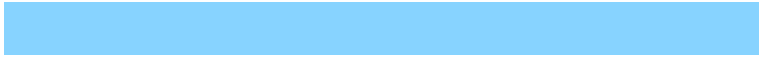


20.3446, 21.4041, 23.3091

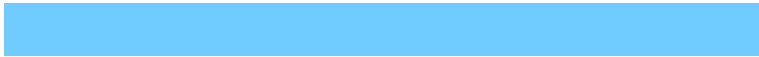


# Same Dimension

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



51.3376, 58.9615, 103.2827



46.0290, 53.2207, 102.4544



39.4345, 35.1552, 99.3150



17.9621, 19.2959, 23.0277



16.2844, 17.4783, 51.9500



1.6898, 1.9104, 5.0929



# Inverse Universe

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



61.6630, 43.2927, 66.7366



57.7931, 37.1873, 60.4082



75.8979, 83.5782, 35.0555



18.4935, 18.1807, 21.2161



25.0078, 12.4924, 19.2234

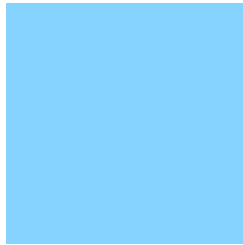


2.4876, 1.2374, 2.1489



# Previews

## White Background



This preview shows how the XYZ color 51.3359, 58.9594, 103.2824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

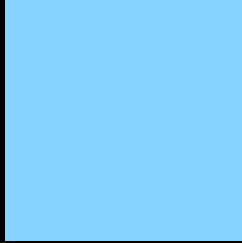
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3359, 58.9594, 103.2824 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

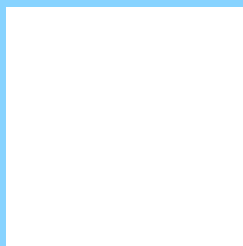
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.3359, 58.9594, 103.2824

## Background



This preview shows how black text looks on a background with the XYZ color 51.3359, 58.9594, 103.2824.



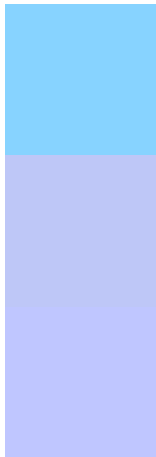
This preview shows how white text looks on a background with the XYZ color 51.3359, 58.9594,



# 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

51.3359, 58.9594, 103.2824

### Protanopia

58.4471, 58.5094, 96.2086

### Deuteranopia

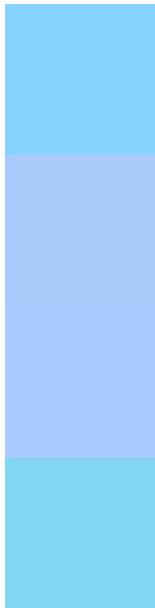
59.7299, 58.6845, 102.7869



## Tritanopia

47.7680, 59.0163, 85.2176

# Trichromacy



**Original Color**

51.3359, 58.9594, 103.2824

**Protanomaly**

55.1888, 58.1600, 98.7597

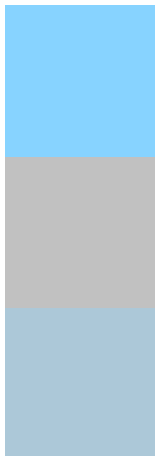
**Deuteranomaly**

56.2005, 58.5898, 102.9546

**Tritanomaly**

49.1348, 59.2097, 91.2770

# Monochromacy



**Original Color**

51.3359, 58.9594, 103.2824

**Achromatopsia**

50.6879, 53.3276, 58.0738

**Achromatomaly**

50.0622, 55.0371, 72.9504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3359, 58.9594, 103.2824 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(135, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 211, 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(135, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 211, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3359, 58.9594, 103.2824 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(135, 211, 255) }
```



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

```
.border{ border-color:rgb(135, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 211,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3359, 58.9594, 103.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 211, 255) }
```

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

```
.background{ background-color: rgb(135,  
211, 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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