

Converting Colors

XYZ(52.9526, 60.3364,
109.7551)

Have a look what the booklet for
XYZ(52.9526, 60.3364, 109.7551)
contains.

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Color

**XYZ(51.8359, 59.9594,
103.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	87D5FF
RGB	135, 213, 255
RGB Percent	53%, 84%, 100%
CMY	0.4706, 0.1647, 0.0000
CMYK	0.47, 0.16, 0.00, 0.00
HSL	201°, 100%, 76%
HSV	201°, 47%, 100%
XYZ	51.8359, 59.9594, 103.4490
YIQ	194.4660, -59.9700, -3.4740

Conversions

Conversions Part 2

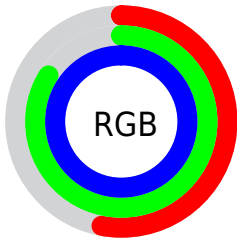
Format	Color
RYB	135, 182, 255
Decimal	8902143
CIELab	81.82, -13.11, -27.97
CIELCh	82, 30.889, 244.880
Yxy	59.9594, 0.2408, 0.2786
Android (android.graphics.Color)	4287092223 (0xFF87D5FF)
YUV	194.4660, 29.8433, -52.1517
Hunter-Lab	77.4335, -16.0162, -25.0064

Details

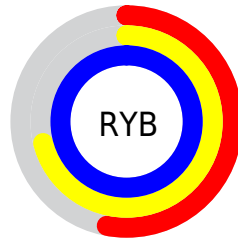
The XYZ color **51.8359, 59.9594, 103.4490** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.3360, 54.4544, 30.2016**, and the grayscale version is **51.4099, 54.0872, 58.9010**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **25.4004, 30.0674, 57.8909** is the 20% darker color. If you saturate the color by 10%, you get **46.0306, 53.7266, 102.5519**, and if you desaturate by 10%, it is **58.7506, 66.9501, 104.4339**.

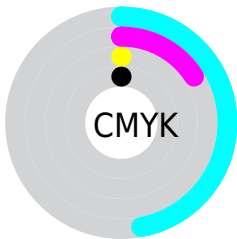
Distribution



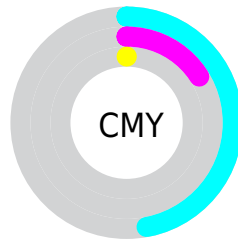
- Red (53%)
- Green (84%)
- Blue (100%)



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



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8359, 59.9594, 103.4490 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 51.8359, 59.9594, 103.4490 by changing the saturation by 10% instead.

51.8359, 59.9594,
103.4490

51.8359, 59.9594,
103.4490

384.1371,
424.4481, 592.5356

37.0980, 43.3859,
78.5512

92.0648, 104.7708,
167.9820

25.4574, 30.1880,
58.0077

118.2866,
133.7774, 208.4542

16.5487, 19.9813,
41.4001

149.0671,
167.6973, 254.9549

10.0066, 12.3815,
28.3098

184.7716,
206.9147, 307.9027

5.4656, 7.0040,
18.3183

225.7655,
251.8141, 367.7162

2.5605, 3.4646,
11.0069

272.4142,

0.9259, 1.3788,

302.7799, 434.8138

5.9573

325.0829,
360.1964, 509.6141

■ 0.0000, 0.2011,
2.7507

■ 0.0000, 0.0000,
0.9688

■ 51.8359, 59.9594,
103.4490

■ 51.8359, 59.9594,
103.4490

■ 46.0306, 53.7266,
102.5519

■ 58.7506, 66.9501,
104.4339

■ 41.2563, 48.2044,
101.7377

■ 66.8357, 74.7292,
105.5093

■ 37.4317, 43.3494,
101.0021

■ 76.1536, 83.3328,
106.6789

■ 34.4598, 39.1083,
100.3402

■ 86.7605, 92.7928,
107.9458

■ 32.2169, 35.4143,
99.7454

95.0500, 100.0000,
108.9000

■ 31.6414, 34.4029,
99.5805

Harmonies

Analogous

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



47.3194, 59.9594, 88.0230



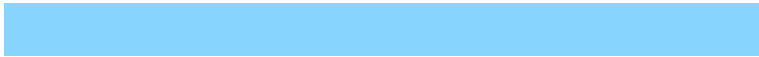
51.8359, 59.9594, 103.4490



58.0617, 59.9594, 107.9474

Triad

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



51.8359, 59.9594, 103.4490



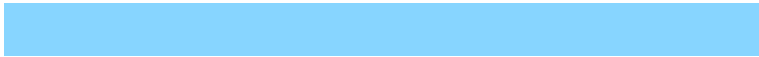
70.4030, 59.9594, 62.2815



50.1227, 59.9594, 40.0577

Complementary

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



51.8359, 59.9594, 103.4490



61.3360, 54.4544, 30.2016

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.



55.9308, 59.9594, 35.6692



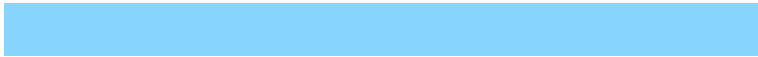
51.8359, 59.9594, 103.4490



67.8950, 59.9594, 46.8454

Square

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



51.8359, 59.9594, 103.4490



69.0994, 59.9594, 81.7289



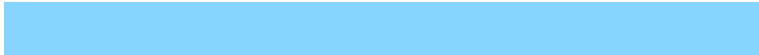
62.4741, 59.9594, 37.8945



46.3844, 59.9594, 51.2104

Rectangle

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



51.8359, 59.9594, 103.4490



62.4234, 59.9594, 103.5356



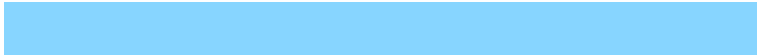
62.4741, 59.9594, 37.8945



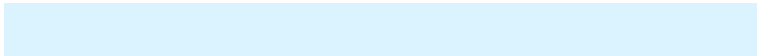
51.8807, 59.9594, 37.8502

Sweetspot

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



51.8376, 59.9616, 103.4493



79.2566, 86.1322, 107.0557



53.4907, 79.7666, 53.1365



16.4927, 18.0111, 22.8572



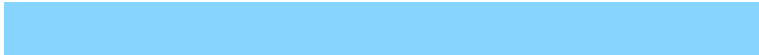
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.8376, 59.9616, 103.4493



46.5941, 54.3510, 102.6428



39.7646, 35.8155, 99.4250



17.9885, 19.3486, 23.0365



16.6787, 18.2670, 52.0814



1.7265, 1.9837, 5.1052

Inverse Universe

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



61.9154, 43.3937, 68.0656



58.0784, 37.3014, 61.9103



75.3221, 82.4266, 34.8636



18.5068, 18.1860, 21.2861



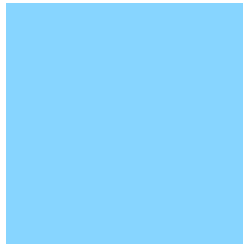
25.2068, 12.5720, 20.2715



2.5061, 1.2448, 2.2463

Previews

White Background



This preview shows how the XYZ color 51.8359, 59.9594, 103.4490 looks on a white background.

Color Contrast Check

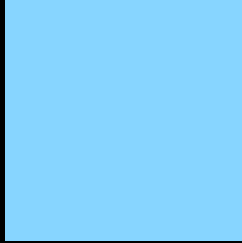
Large Text (above 18pt) WCAG AA × Fail

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 51.8359, 59.9594, 103.4490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

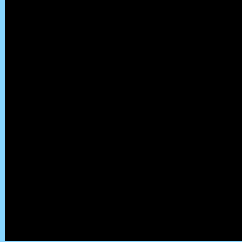
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8359, 59.9594, 103.4490

Background



This preview shows how black text looks on a background with the XYZ color 51.8359, 59.9594, 103.4490.

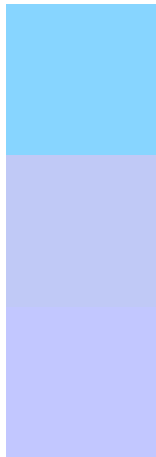


This preview shows how white text looks on a background with the XYZ color 51.8359, 59.9594,

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

51.8359, 59.9594, 103.4490

Protanopia

59.2594, 59.6336, 95.5759

Deuteranopia

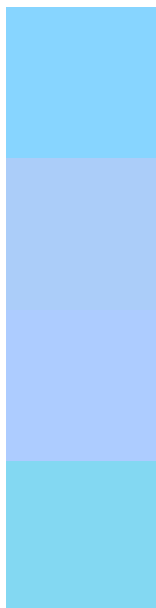
60.7216, 59.5362, 102.8990



Tritanopia

48.7174, 60.2333, 86.9004

Trichromacy



Original Color

51.8359, 59.9594, 103.4490

Protanomaly

55.7248, 59.1601, 98.1046

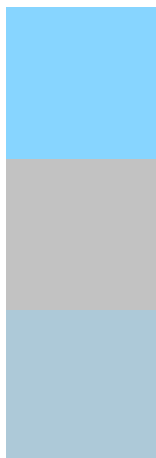
Deuteranomaly

56.8764, 59.2900, 103.0541

Tritanomaly

49.9430, 60.3478, 93.0204

Monochromacy



Original Color

51.8359, 59.9594, 103.4490

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5149, 55.6154, 73.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8359, 59.9594, 103.4490 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8359, 59.9594, 103.4490 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, 213, 255) }
```


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

```
.border{ border-color:rgb(135, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8359, 59.9594, 103.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 213, 255) }
```

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

```
.background{ background-color: rgb(135,  
213, 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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