

# Converting Colors

XYZ(53.1836, 58.8158,  
103.1573)

Have a look what the booklet for  
XYZ(53.1836, 58.8158, 103.1573)  
contains.

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# Color

**XYZ(53.1836, 58.8158,  
103.1573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D0FF
RGB	150, 208, 255
RGB Percent	59%, 82%, 100%
CMY	0.4117, 0.1843, 0.0000
CMYK	0.41, 0.18, 0.00, 0.00
HSL	207°, 100%, 79%
HSV	207°, 41%, 100%
XYZ	53.1836, 58.8158, 103.1573
YIQ	196.0160, -49.6550, 2.3210

# Conversions

## Conversions Part 2

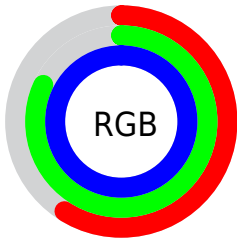
Format	Color
R <sub>Y</sub> B	150, 187, 255
Decimal	9883903
CIE Lab	81.19, -6.91, -28.86
CIE LCh	81, 29.676, 256.545
Yxy	58.8158, 0.2472, 0.2734
Android (android.graphics.Color)	4288073983 (0xFF96D0FF)
YUV	196.0160, 29.0791, -40.3560
Hunter-Lab	76.6915, -10.4248, -26.0667

# Details

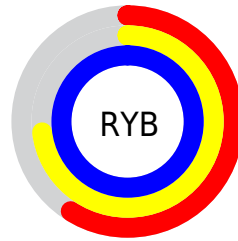
The XYZ color **53.1836, 58.8158, 103.1573** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.7120, 63.3953, 37.5766**, and the grayscale version is **52.3330, 55.0584, 59.9586**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **26.3647, 29.5681, 57.7437** is the 20% darker color. If you saturate the color by 10%, you get **46.3085, 51.2892, 102.0668**, and if you desaturate by 10%, it is **61.2833, 67.2736, 104.3629**.

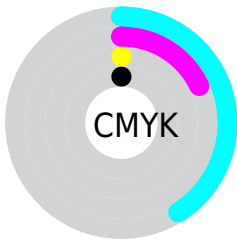
# Distribution



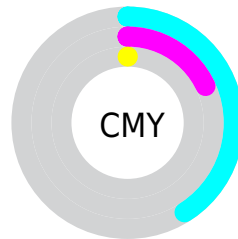
- Red (59%)
- Green (82%)
- Blue (100%)



- Red (59%)
- Yellow (73%)
- Blue (100%)



- Cyan (41%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1836, 58.8158, 103.1573 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 53.1836, 58.8158, 103.1573 by changing the saturation by 10% instead.




 53.1836, 58.8158,  
103.1573


 53.1836, 58.8158,  
103.1573


389.2385,  
420.2190, 591.6014

 38.1774, 42.4649,  
78.3084


 94.0384, 103.1099,  
167.5789

 26.2983, 29.4655,  
57.8094


 120.6178,  
131.8219, 207.9887

 17.1808, 19.4332,  
41.2418

151.7856,  
165.4229, 254.4225

 10.4596, 11.9837,  
28.1869

187.9071,  
204.2975, 307.2990

 5.7693, 6.7326,  
18.2263

229.3479,  
248.8300, 367.0366

 2.7446, 3.2954,  
10.9415

276.4731,

 1.0202, 1.2878,

299.4048, 434.0538

5.9138

329.6482,  
356.4063, 508.7692

0.0000, 0.1318,  
2.7248

0.0000, 0.0000,  
0.9559

53.1836, 58.8158,  
103.1573

53.1836, 58.8158,  
103.1573

46.3085, 51.2892,  
102.0668

61.2833, 67.2736,  
104.3629

40.5818, 44.6444,  
101.0861

70.6675, 76.6957,  
105.6869

35.9261, 38.8364,  
100.2104

81.3978, 87.1209,  
107.1336

32.2508, 33.8118,  
99.4343

93.5304, 98.5840,  
108.7068

■ 29.4481, 29.5083,  
98.7513

95.0500, 100.0000,  
108.9000

■ 27.5543, 26.2286,  
98.2181

# Harmonies

## Analogous

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



48.1232, 58.8158, 92.0502



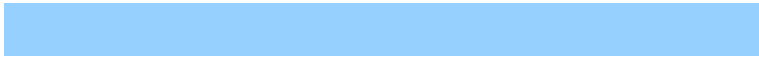
53.1836, 58.8158, 103.1573



59.3544, 58.8158, 102.5062

# Triad

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



53.1836, 58.8158, 103.1573



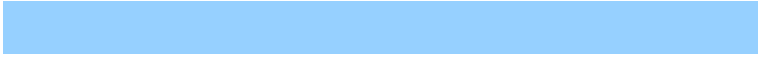
68.0819, 58.8158, 54.8319



47.7145, 58.8158, 43.3737

# Complementary

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



53.1836, 58.8158, 103.1573



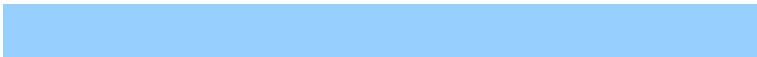
66.7120, 63.3953, 37.5766

# 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.



52.5874, 58.8158, 36.6485



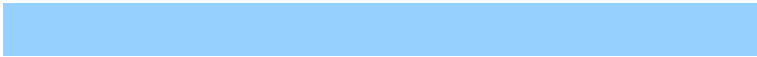
53.1836, 58.8158, 103.1573



64.4783, 58.8158, 42.3809

# Square

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



53.1836, 58.8158, 103.1573



68.2711, 58.8158, 72.2881



58.7128, 58.8158, 36.3222

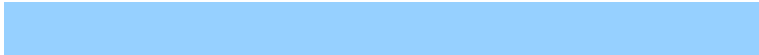


45.1262, 58.8158, 56.4452



# Rectangle

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



53.1836, 58.8158, 103.1573



63.2794, 58.8158, 95.4488



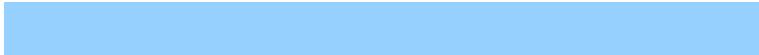
58.7128, 58.8158, 36.3222



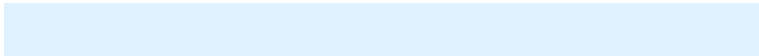
49.1227, 58.8158, 40.4103

# Sweetspot

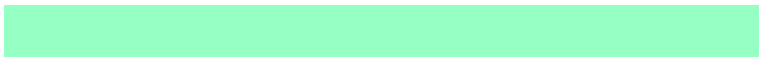
The Sweet Spot groups the original color and five complimentary colors.



53.1853, 58.8180, 103.1576



80.4597, 86.2216, 107.0095



58.2459, 81.9674, 64.6797



16.9081, 18.1534, 22.8628



0.0000, 0.0000, 0.0000

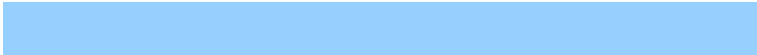


20.3446, 21.4041, 23.3091

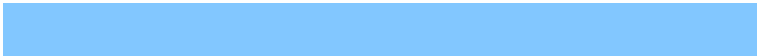


# Same Dimension

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



53.1853, 58.8180, 103.1576



47.7035, 52.8496, 102.2945



42.6863, 37.8200, 99.6579



17.8350, 19.0416, 22.9853



14.5491, 14.0077, 51.3715



1.5257, 1.5821, 5.0382



# Inverse Universe

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



63.5327, 47.6285, 65.5215



59.5464, 41.3654, 58.9223



80.3129, 90.5972, 42.1103



18.4294, 18.1551, 20.8781



24.1319, 12.1421, 14.6109

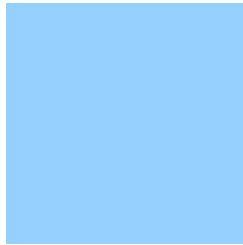


2.4047, 1.2043, 1.7126



# Previews

## White Background



This preview shows how the XYZ color 53.1836, 58.8158, 103.1573 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

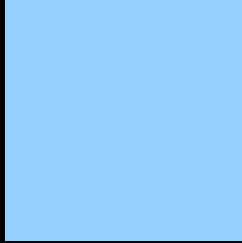
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1836, 58.8158, 103.1573 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

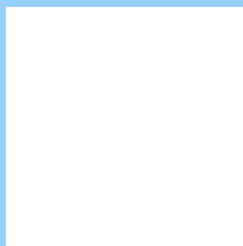
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.1836, 58.8158, 103.1573

## Background



This preview shows how black text looks on a background with the XYZ color 53.1836, 58.8158, 103.1573.



This preview shows how white text looks on a background with the XYZ color 53.1836, 58.8158,



# 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

53.1836, 58.8158, 103.1573

### Protanopia

58.5086, 58.5052, 97.8314

### Deuteranopia

59.5021, 58.2289, 102.7109



## Tritanopia

49.1541, 58.6398, 83.5908

# Trichromacy



## Original Color

53.1836, 58.8158, 103.1573

## Protanomaly

56.2123, 58.3201, 99.5610

## Deuteranomaly

56.8411, 58.2234, 102.8501

## Tritanomaly

50.7283, 58.9315, 90.3626

# Monochromacy



## Original Color

53.1836, 58.8158, 103.1573

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.7691, 55.9020, 73.7073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1836, 58.8158, 103.1573 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(150, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 208, 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(150, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 208, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1836, 58.8158, 103.1573 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(150, 208, 255) }
```



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

```
.border{ border-color:rgb(150, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 208,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1836, 58.8158, 103.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 208, 255) }
```

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

```
.background{ background-color: rgb(150,  
208, 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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