

Converting Colors

XYZ(87.1818, 72.7729,
288.4453)

Have a look what the booklet for
XYZ(87.1818, 72.7729, 288.4453)
contains.

XYZ(51.8350, 58.4836, 103.1642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.8350, 58.4836,
103.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD1FF
RGB	141, 209, 255
RGB Percent	55%, 82%, 100%
CMY	0.4470, 0.1804, 0.0000
CMYK	0.45, 0.18, 0.00, 0.00
HSL	204°, 100%, 78%
HSV	204°, 45%, 100%
XYZ	51.8350, 58.4836, 103.1642
YIQ	193.9120, -55.2940, -0.1100

Conversions

Conversions Part 2

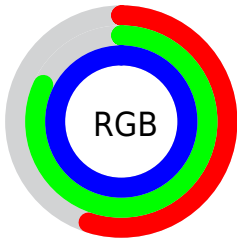
Format	Color
RYB	141, 184, 255
Decimal	9294335
CIELab	81.01, -9.63, -29.18
CIELCh	81, 30.729, 251.742
Yxy	58.4836, 0.2428, 0.2739
Android (android.graphics.Color)	4287484415 (0xFF8DD1FF)
YUV	193.9120, 30.1164, -46.4038
Hunter-Lab	76.4746, -12.8419, -26.4500

Details

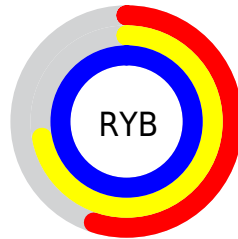
The XYZ color **51.8350, 58.4836, 103.1642** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8189, 58.7249, 33.1729**, and the grayscale version is **51.0787, 53.7388, 58.5215**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **25.4817, 29.3589, 57.7499** is the 20% darker color. If you saturate the color by 10%, you get **45.5446, 51.6146, 102.1699**, and if you desaturate by 10%, it is **59.2900, 66.1975, 104.2602**.

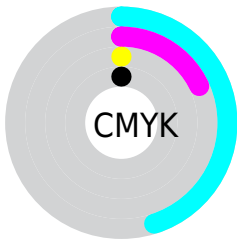
Distribution



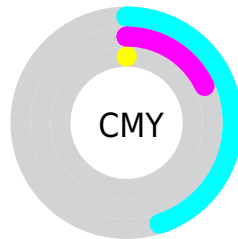
- Red (55%)
- Green (82%)
- Blue (100%)



- Red (55%)
- Yellow (72%)
- Blue (100%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8350, 58.4836, 103.1642 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 51.8350, 58.4836, 103.1642 by changing the saturation by 10% instead.

■ 51.8350, 58.4836,
103.1642

■ 51.8350, 58.4836,
103.1642

384.1337,
418.9855, 591.6236

■ 37.0973, 42.1976,
78.3142

■ 92.0635, 102.6268,
167.5884

■ 25.4569, 29.2560,
57.8141

■ 118.2851,
131.2527, 207.9997

■ 16.5483, 19.2746,
41.2455

149.0653,
164.7606, 254.4351

■ 10.0063, 11.8688,
28.1898

184.7695,
203.5351, 307.3133

■ 5.4654, 6.6544,
18.2285

225.7631,
247.9604, 367.0526

■ 2.5604, 3.2469,
10.9430

272.4114,

■ 0.9258, 1.2620,

298.4210, 434.0718

5.9149

325.0799,
355.3012, 508.7892

■ 0.0000, 0.1115,
2.7254

■ 0.0000, 0.0000,
0.9562

■ 51.8350, 58.4836,
103.1642

■ 51.8350, 58.4836,
103.1642

■ 45.5446, 51.6146,
102.1699

■ 59.2900, 66.1975,
104.2602

■ 40.3411, 45.5421,
101.2721

■ 67.9702, 74.7883,
105.4609

■ 36.1448, 40.2218,
100.4663

■ 77.9379, 84.2935,
106.7703

■ 32.8612, 35.6000,
99.7473

■ 89.2495, 94.7465,
108.1917

■ 30.3750, 31.6123,
99.1086

95.0500, 100.0000,
108.9000

■ 29.2957, 29.7114,
98.7986

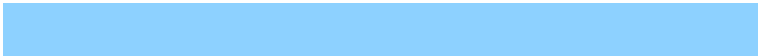
Harmonies

Analogous

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



46.9347, 58.4836, 90.0215



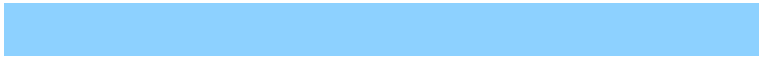
51.8350, 58.4836, 103.1642



58.1184, 58.4836, 104.5952

Triad

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



51.8350, 58.4836, 103.1642



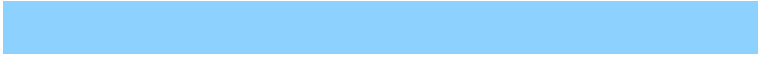
68.4700, 58.4836, 56.7998



47.8203, 58.4836, 40.9159

Complementary

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



51.8350, 58.4836, 103.1642



63.8189, 58.7249, 33.1729

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.



53.1300, 58.4836, 35.1254



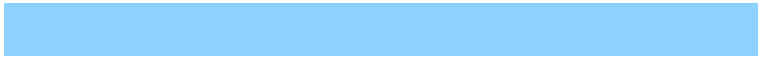
51.8350, 58.4836, 103.1642



65.2420, 58.4836, 43.0527

Square

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



51.8350, 58.4836, 103.1642



68.0565, 58.4836, 75.3202



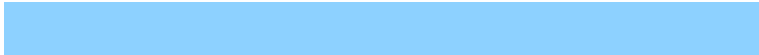
59.5156, 58.4836, 35.8245



44.7418, 58.4836, 53.3031

Rectangle

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



51.8350, 58.4836, 103.1642



62.2869, 58.4836, 98.4343



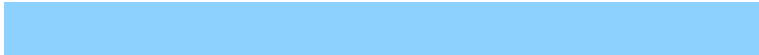
59.5156, 58.4836, 35.8245



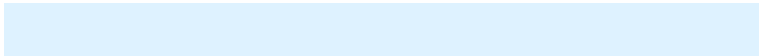
49.3855, 58.4836, 38.2507

Sweetspot

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



51.8367, 58.4857, 103.1645



79.7686, 86.0066, 107.0044



55.6727, 80.7541, 59.4442



16.5677, 17.9351, 22.8385



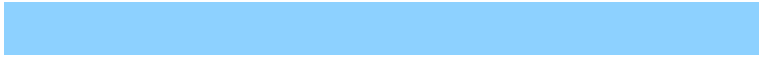
0.0000, 0.0000, 0.0000



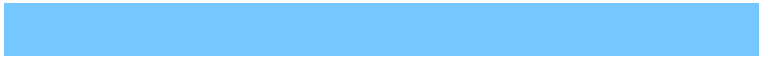
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8367, 58.4857, 103.1645



45.9509, 52.0715, 102.2367



40.3295, 35.4714, 99.3288



17.9041, 19.1798, 23.0084



15.4579, 15.8254, 51.6745



1.6123, 1.7553, 5.0671

Inverse Universe

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



62.2747, 44.9150, 65.7109



57.9961, 38.1965, 58.6158



78.2787, 87.6445, 37.9928



18.4642, 18.1690, 21.0618



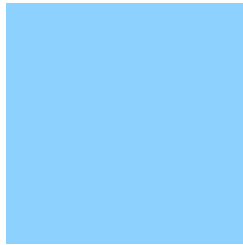
24.5906, 12.3256, 17.0267



2.4484, 1.2217, 1.9428

Previews

White Background



This preview shows how the XYZ color 51.8350, 58.4836, 103.1642 looks on a white background.

Color Contrast Check

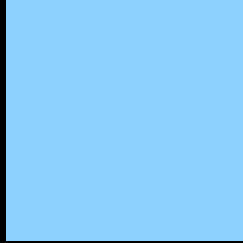
Large Text (above 18pt) WCAG AA × Fail

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 51.8350, 58.4836, 103.1642 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

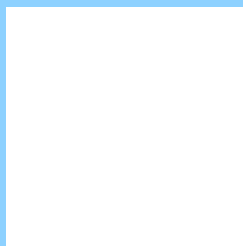
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8350, 58.4836, 103.1642

Background



This preview shows how black text looks on a background with the XYZ color 51.8350, 58.4836, 103.1642.

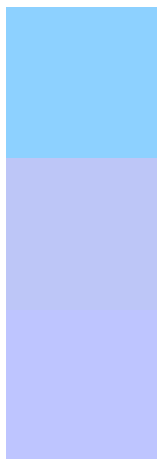


This preview shows how white text looks on a background with the XYZ color 51.8350, 58.4836,

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

51.8350, 58.4836, 103.1642

Protanopia

57.9689, 57.9224, 96.1205

Deuteranopia

59.2515, 58.0997, 102.6992



Tritanopia

47.9087, 58.3700, 83.6044

Trichromacy



Original Color

51.8350, 58.4836, 103.1642

Protanomaly

55.3891, 57.9138, 98.7017

Deuteranomaly

55.9499, 57.7639, 102.8084

Tritanomaly

49.4400, 58.6373, 90.3737

Monochromacy



Original Color

51.8350, 58.4836, 103.1642

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.4973, 54.9187, 72.9046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8350, 58.4836, 103.1642 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(141, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 209, 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(141, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8350, 58.4836, 103.1642 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(141, 209, 255) }
```


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

```
.border{ border-color:rgb(141, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 209, 255); box-shadow:4px 4px 4px 4px rgb(141, 209, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8350, 58.4836, 103.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 209, 255) }
```

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

```
.background{ background-color: rgb(141,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor