

# Converting Colors

XYZ(67.7299, 64.0272,  
187.8444)

Have a look what the booklet for  
XYZ(67.7299, 64.0272, 187.8444)  
contains.

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# **Color**

**XYZ(51.6905, 57.6853,  
103.0177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FCFFF
RGB	143, 207, 255
RGB Percent	56%, 81%, 100%
CMY	0.4392, 0.1882, 0.0000
CMYK	0.44, 0.19, 0.00, 0.00
HSL	206°, 100%, 78%
HSV	206°, 44%, 100%
XYZ	51.6905, 57.6853, 103.0177
YIQ	193.3360, -53.5520, 1.3600

# Conversions

## Conversions Part 2

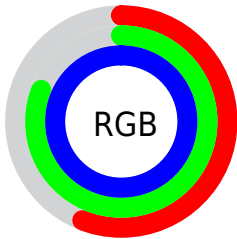
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 184, 255
Decimal	9424895
CIE <sub>Lab</sub>	80.56, -8.10, -29.85
CIE <sub>LCh</sub>	81, 30.932, 254.827
Yxy	57.6853, 0.2434, 0.2716
Android (android.graphics.Color)	4287614975 (0xFF8FCFFF)
YUV	193.3360, 30.4004, -44.1447
Hunter-Lab	75.9508, -11.4307, -27.2538

# Details

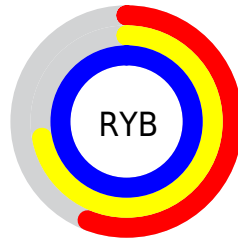
The XYZ color **51.6905, 57.6853, 103.0177** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8294, 60.5055, 34.2504**, and the grayscale version is **50.7370, 53.3793, 58.1300**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **25.4220, 28.8381, 57.6525** is the 20% darker color. If you saturate the color by 10%, you get **45.2110, 50.5508, 101.9821**, and if you desaturate by 10%, it is **59.3599, 65.7078, 104.1620**.

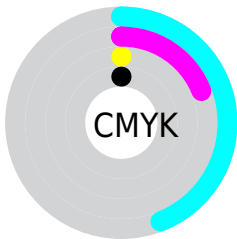
# Distribution



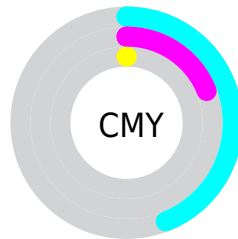
- Red (56%)
- Green (81%)
- Blue (100%)



- Red (56%)
- Yellow (72%)
- Blue (100%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6905, 57.6853, 103.0177 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 51.6905, 57.6853, 103.0177 by changing the saturation by 10% instead.



■ 51.6905, 57.6853,  
103.0177

■ 51.6905, 57.6853,  
103.0177

383.5842,  
416.0123, 591.1541

■ 36.9817, 41.5557,  
78.1922

■ 91.8516, 101.4644,  
167.3860

■ 25.3669, 28.7536,  
57.7145

■ 118.0346,  
129.8828, 207.7659

■ 16.4808, 18.8945,  
41.1660

148.7730,  
163.1661, 254.1677

■ 9.9580, 11.5940,  
28.1281

184.4322,  
201.6989, 307.0099

■ 5.4332, 6.4679,  
18.1824

225.3776,  
245.8655, 366.7111

■ 2.5410, 3.1316,  
10.9102

271.9745,

■ 0.9160, 1.2008,

296.0504, 433.6899

5.8931

324.5882,  
352.6378, 508.3647

■ 0.0000, 0.0624,  
2.7124

■ 0.0000, 0.0000,  
0.9497

■ 51.6905, 57.6853,  
103.0177

■ 51.6905, 57.6853,  
103.0177

■ 45.2110, 50.5508,  
101.9821

■ 59.3599, 65.7078,  
104.1620

■ 39.8438, 44.2550,  
101.0498

■ 68.2800, 74.6511,  
105.4181

■ 35.5093, 38.7526,  
100.2162

■ 78.5133, 84.5541,  
106.7902

■ 32.1135, 33.9892,  
99.4757

■ 90.1166, 95.4507,  
108.2819

■ 29.5424, 29.9001,  
98.8220

95.0500, 100.0000,  
108.9000

■ 28.2854, 27.6908,  
98.4618

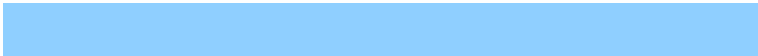
# Harmonies

## Analogous

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



46.6074, 57.6853, 90.8623



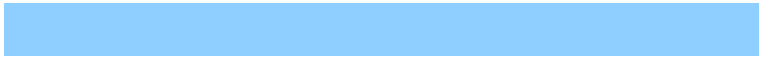
51.6905, 57.6853, 103.0177



58.0160, 57.6853, 103.0940

# Triad

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



51.6905, 57.6853, 103.0177



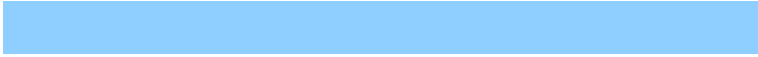
67.5142, 57.6853, 54.2703



46.6544, 57.6853, 41.1083

# Complementary

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



51.6905, 57.6853, 103.0177



64.8294, 60.5055, 34.2504

# 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.



51.7593, 57.6853, 34.6814



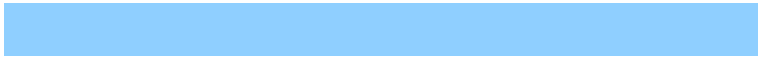
51.6905, 57.6853, 103.0177



63.9628, 57.6853, 41.2214

# Square

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



51.6905, 57.6853, 103.0177



67.4922, 57.6853, 72.4254



58.0903, 57.6853, 34.7183

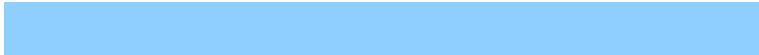


43.8565, 57.6853, 54.0848



# Rectangle

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



51.6905, 57.6853, 103.0177



62.1096, 57.6853, 96.1526



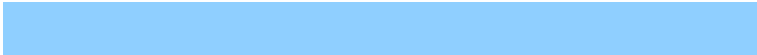
58.0903, 57.6853, 34.7183



48.1393, 57.6853, 38.2319

# Sweetspot

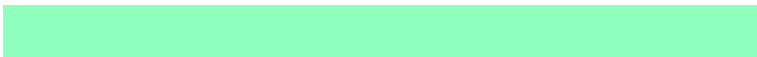
The Sweet Spot groups the original color and five complimentary colors.



51.6922, 57.6874, 103.0181



79.5224, 85.5142, 106.9224



56.3467, 81.0633, 61.2030



16.5069, 17.8134, 22.8183



0.0000, 0.0000, 0.0000

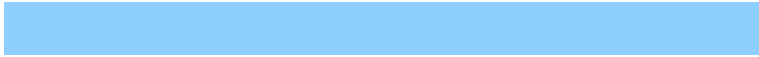


20.3446, 21.4041, 23.3091

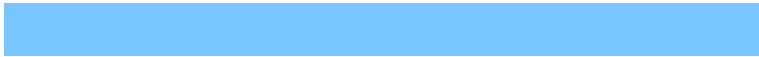


# Same Dimension

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



51.6922, 57.6874, 103.0181



45.7594, 51.1713, 102.0730



40.6617, 35.6264, 99.3412



17.8648, 19.1012, 22.9953



14.9309, 14.7715, 51.4988



1.5623, 1.6552, 5.0504



# Inverse Universe

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



62.3261, 45.4115, 64.5141



58.0257, 38.6918, 57.2815



79.0529, 88.9525, 38.9915



18.4444, 18.1611, 20.9573



24.3246, 12.2192, 15.6259

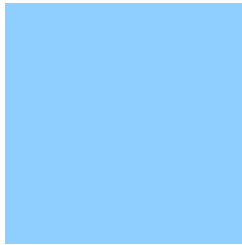


2.4232, 1.2116, 1.8098



# Previews

## White Background



This preview shows how the XYZ color 51.6905, 57.6853, 103.0177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

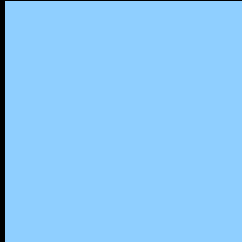
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6905, 57.6853, 103.0177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

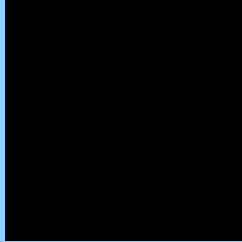
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.6905, 57.6853, 103.0177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6905, 57.6853, 103.0177.



This preview shows how white text looks on a background with the XYZ color 51.6905, 57.6853,



# 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

51.6905, 57.6853, 103.0177

### Protanopia

57.4030, 57.2746, 96.8366

### Deuteranopia

58.5290, 57.3912, 102.6005



## **Tritanopia**

47.6780, 57.8950, 82.7907

# Trichromacy



## Original Color

51.6905, 57.6853, 103.0177

## Protanomaly

55.0938, 57.3963, 99.4416

## Deuteranomaly

55.7175, 57.2992, 102.7310

## Tritanomaly

48.9604, 57.6695, 89.4398

# Monochromacy



## Original Color

51.6905, 57.6853, 103.0177

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.2679, 54.4600, 72.8282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6905, 57.6853, 103.0177 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(143, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 207, 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(143, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6905, 57.6853, 103.0177 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(143, 207, 255) }
```



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

```
.border{ border-color:rgb(143, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(143, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6905, 57.6853, 103.0177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 207, 255) }
```

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

```
.background{ background-color: rgb(143,  
207, 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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