

# Converting Colors

$Y_{xy}(57.7929, 0.2370, 0.2499)$

Have a look what the booklet for  
Yxy(57.7929, 0.2370, 0.2499)  
contains.

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# Color

**Yxy(56.7016, 0.2453, 0.2682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94CCFF
RGB	148, 204, 255
RGB Percent	58%, 80%, 100%
CMY	0.4196, 0.2000, 0.0000
CMYK	0.42, 0.20, 0.00, 0.00
HSL	209°, 100%, 79%
HSV	209°, 42%, 100%
XYZ	51.8602, 56.7016, 102.8536
YIQ	193.0700, -49.7470, 3.9890

# Conversions

## Conversions Part 2

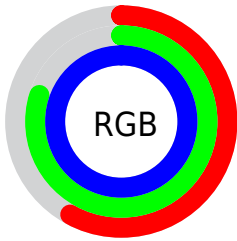
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 185, 255</a>
Decimal	<a href="#">9751807</a>
CIELab	<a href="#">80.01, -5.27, -30.70</a>
CIELCh	<a href="#">80, 31.150, 260.259</a>
Yxy	<a href="#">56.7016, 0.2453, 0.2682</a>
Android (android.graphics.Color)	<a href="#">4287941887</a> ( <a href="#">0xFF94CCFF</a> )
YUV	<a href="#">193.0700, 30.5315, -39.5264</a>
Hunter-Lab	<a href="#">75.3005, -8.8411, -28.2744</a>

# Details

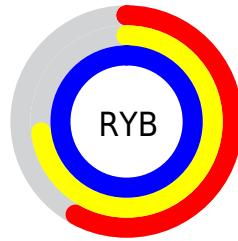
The Yxy color **56.7016, 0.2453, 0.2682** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2453, 0.3985, 0.3821**, and the grayscale version is **53.2097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **28.1141, 0.2289, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **49.0251, 0.2298, 0.2505**, and if you desaturate by 10%, it is **65.3516, 0.2615, 0.2849**.

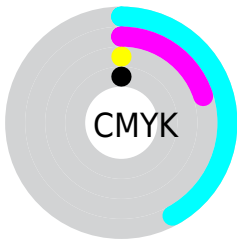
# Distribution



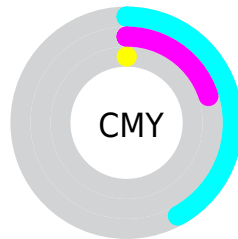
- Red (58%)
- Green (80%)
- Blue (100%)



- Red (58%)
- Yellow (73%)
- Blue (100%)



- Cyan (42%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7016, 0.2453, 0.2682 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 Yxy color 56.7016, 0.2453, 0.2682 by changing the saturation by 10% instead.



■ 56.7016, 0.2453,  
0.2682

■ 56.7016, 0.2453,  
0.2682

■ 412.3302, 0.2770,  
0.2972

■ 40.7657, 0.2380,  
0.2614

■ 100.0297, 0.2563,  
0.2784

■ 28.1361, 0.2290,  
0.2530

■ 128.1906, 0.2606,  
0.2823

■ 18.4283, 0.2177,  
0.2423

■ 161.1954, 0.2643,  
0.2857

■ 11.2579, 0.2030,  
0.2282

■ 199.4284, 0.2675,  
0.2886

■ 6.2406, 0.1833,  
0.2091

■ 243.2739, 0.2703,  
0.2912

■ 2.9919, 0.1560,  
0.1821

■ 293.1165, 0.2728,

■ 1.1275, 0.1171,

0.2934

0.1423

349.3405, 0.2750,  
0.2955

0.0013, 0.0000,  
0.0005

0.0000, 0.0000,  
0.0000

56.7016, 0.2453,  
0.2682

56.7016, 0.2453,  
0.2682

49.0251, 0.2298,  
0.2505

65.3516, 0.2615,  
0.2849

42.2788, 0.2153,  
0.2320

75.0183, 0.2779,  
0.3002

36.4126, 0.2026,  
0.2132

85.7399, 0.2940,  
0.3142

31.3706, 0.1919,  
0.1944

97.5526, 0.3097,  
0.3267

■ 27.0871, 0.1836,  
0.1763

100.0000, 0.3127,  
0.3290

■ 24.1201, 0.1785,  
0.1624

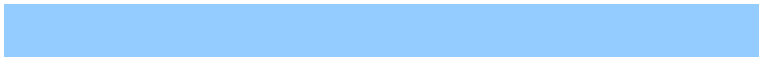
# Harmonies

## Analogous

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



56.7016, 0.2374, 0.2896



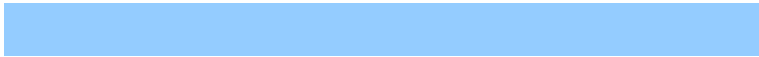
56.7016, 0.2453, 0.2682



56.7016, 0.2702, 0.2632

# Triad

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



56.7016, 0.2453, 0.2682



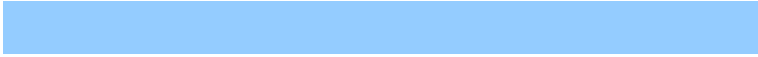
56.7016, 0.3817, 0.3272



56.7016, 0.3134, 0.3943

# Complementary

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



56.7016, 0.2453, 0.2682



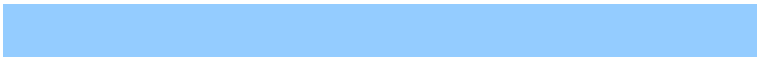
64.2453, 0.3985, 0.3821

# 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.



56.7016, 0.3532, 0.4022



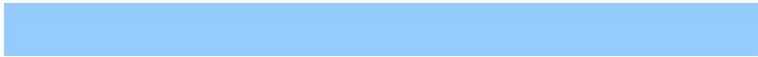
56.7016, 0.2453, 0.2682



56.7016, 0.3943, 0.3603

# Square

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



56.7016, 0.2453, 0.2682



56.7016, 0.3491, 0.2964



56.7016, 0.3833, 0.3882

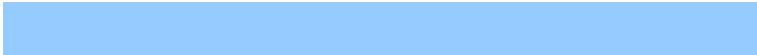


56.7016, 0.2750, 0.3647



# Rectangle

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



56.7016, 0.2453, 0.2682



56.7016, 0.2943, 0.2685



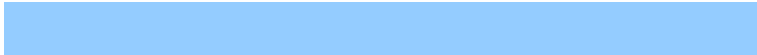
56.7016, 0.3833, 0.3882



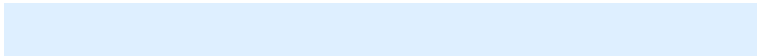
56.7016, 0.3271, 0.3996

# Sweetspot

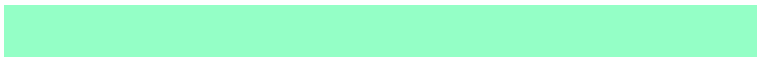
The Sweet Spot groups the original color and five complimentary colors.



56.7010, 0.2453, 0.2682



84.5756, 0.2924, 0.3128



81.8900, 0.2821, 0.3972



17.5817, 0.2888, 0.3098



0.0000, 0.0000, 0.0000

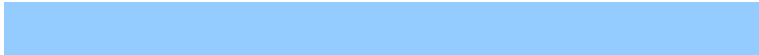


21.4041, 0.3127, 0.3290

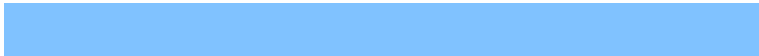


# Same Dimension

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



56.7010, 0.2453, 0.2682



50.4556, 0.2327, 0.2541



35.8318, 0.2346, 0.2029



18.9510, 0.2979, 0.3174



12.9046, 0.1792, 0.1653



1.4753, 0.1848, 0.1852



# Inverse Universe

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



46.7992, 0.3639, 0.2715



40.4735, 0.3784, 0.2611



92.6635, 0.3769, 0.4300



18.1459, 0.3212, 0.3166



12.0307, 0.4865, 0.2454

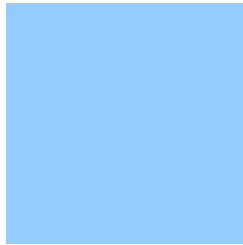


1.1935, 0.4624, 0.2321



# Previews

## White Background



This preview shows how the Yxy color 56.7016, 0.2453, 0.2682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

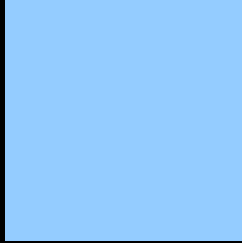
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7016, 0.2453, 0.2682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

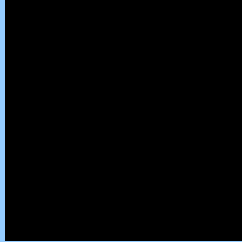
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

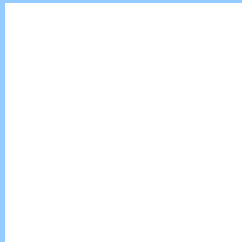
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7016, 0.2453, 0.2682**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7016, 0.2453, 0.2682.



This preview shows how white text looks on a background with the Yxy color 56.7016, 0.2453, 0.2682.

# 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

56.7016, 0.2453, 0.2682

### Protanopia

56.6337, 0.2694, 0.2684

### Deuteranopia

56.2427, 0.2663, 0.2601



## **Tritanopia**

56.6674, 0.2567, 0.3073

# Trichromacy



**Original Color**

56.7016, 0.2453, 0.2682

**Protanomaly**

56.5825, 0.2603, 0.2685

**Deuteranomaly**

56.3788, 0.2580, 0.2632

**Tritanomaly**

56.5797, 0.2522, 0.2917

# Monochromacy



**Original Color**

56.7016, 0.2453, 0.2682

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.2375, 0.2845, 0.3056

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7016, 0.2453, 0.2682 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(148, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 204, 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(148, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7016, 0.2453, 0.2682 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(148, 204, 255) }
```

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

```
.border{ border-color:rgb(148, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7016, 0.2453, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 204, 255) }
```

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

```
.background{ background-color: rgb(148,  
204, 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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