

# Converting Colors

$Y_{xy}(56.0325, 0.2475, 0.2657)$

Have a look what the booklet for  
Yxy(56.0325, 0.2475, 0.2657)  
contains.

<b>Yxy(56.2334, 0.2476, 0.2662)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.2334, 0.2476, 0.2662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CAFF
RGB	153, 202, 255
RGB Percent	60%, 79%, 100%
CMY	0.4001, 0.2078, 0.0000
CMYK	0.40, 0.21, 0.00, 0.00
HSL	211°, 100%, 80%
HSV	211°, 40%, 100%
XYZ	52.3042, 56.2334, 102.7073
YIQ	193.3910, -46.2170, 6.0950

# Conversions

## Conversions Part 2

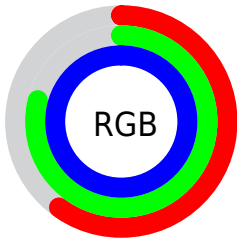
Format	Color
R <sub>Y</sub> B	153, 186, 255
Decimal	10078975
CIE Lab	79.75, -2.97, -31.06
CIE LCh	80, 31.206, 264.547
Yxy	56.2334, 0.2476, 0.2662
Android (android.graphics.Color)	4288269055 (0xFF99CAFF)
YUV	193.3910, 30.3732, -35.4229
Hunter-Lab	74.9889, -6.7282, -28.7133

# Details

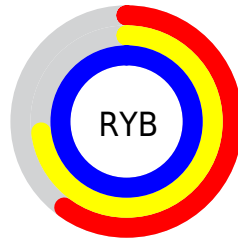
The Yxy color **56.2334, 0.2476, 0.2662** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6879, 0.3917, 0.3839**, and the grayscale version is **53.4073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **27.7984, 0.2318, 0.2506** is the 20% darker color. If you saturate the color by 10%, you get **48.0623, 0.2314, 0.2470**, and if you desaturate by 10%, it is **65.4719, 0.2643, 0.2842**.

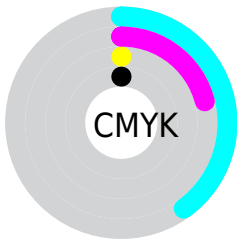
# Distribution



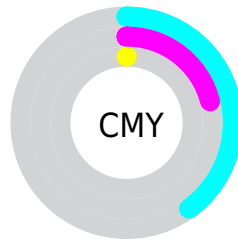
- Red (60%)
- Green (79%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2334, 0.2476, 0.2662 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 56.2334, 0.2476, 0.2662 by changing the saturation by 10% instead.





 56.2334, 0.2476,  
0.2662

 56.2334, 0.2476,  
0.2662


410.5705, 0.2783,  
0.2961

 40.3901, 0.2405,  
0.2592


 99.3458, 0.2583,  
0.2767

 27.8428, 0.2318,  
0.2506


 127.3836, 0.2625,  
0.2807

 18.2072, 0.2207,  
0.2397


160.2550, 0.2660,  
0.2842

 11.0989, 0.2063,  
0.2253

198.3445, 0.2691,  
0.2872

 6.1334, 0.1870,  
0.2059

242.0364, 0.2719,  
0.2899

 2.9263, 0.1601,  
0.1785

291.7151, 0.2743,

 1.0934, 0.1213,

0.2922

0.1384

347.7650, 0.2764,  
0.2942

0.0000, 0.0000,  
0.0000

56.2334, 0.2476,  
0.2662

56.2334, 0.2476,  
0.2662

48.0623, 0.2314,  
0.2470

65.4719, 0.2643,  
0.2842

40.9055, 0.2161,  
0.2269

75.8162, 0.2809,  
0.3007

34.7130, 0.2023,  
0.2063

87.3090, 0.2971,  
0.3156

29.4268, 0.1906,  
0.1859

99.9893, 0.3127,  
0.3290

24.9798, 0.1813,  
0.1663

100.0000, 0.3127,  
0.3290

■ 21.2739, 0.1745,  
0.1480

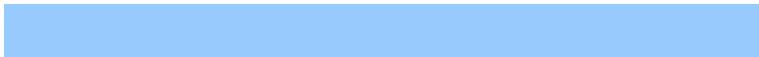
# Harmonies

## Analogous

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



56.2334, 0.2371, 0.2854



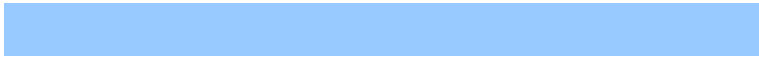
56.2334, 0.2476, 0.2662



56.2334, 0.2748, 0.2635

# Triad

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



56.2334, 0.2476, 0.2662



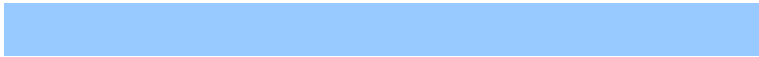
56.2334, 0.3852, 0.3320



56.2334, 0.3075, 0.3916

# Complementary

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



56.2334, 0.2476, 0.2662



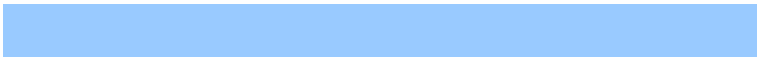
67.6879, 0.3917, 0.3839

# 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.



56.2334, 0.3480, 0.4029



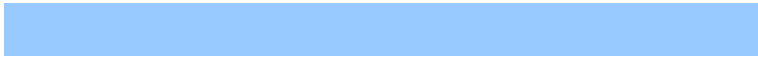
56.2334, 0.2476, 0.2662



56.2334, 0.3945, 0.3649

# Square

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



56.2334, 0.2476, 0.2662



56.2334, 0.3548, 0.3003



56.2334, 0.3803, 0.3916



56.2334, 0.2701, 0.3594



# Rectangle

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



56.2334, 0.2476, 0.2662



56.2334, 0.2999, 0.2702



56.2334, 0.3803, 0.3916



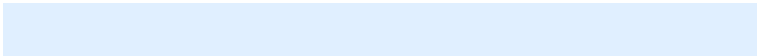
56.2334, 0.3212, 0.3980

# Sweetspot

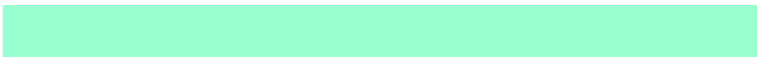
The Sweet Spot groups the original color and five complimentary colors.



56.2353, 0.2476, 0.2662



84.9262, 0.2939, 0.3128



82.7315, 0.2807, 0.3871



17.8487, 0.2918, 0.3109



0.0000, 0.0000, 0.0000

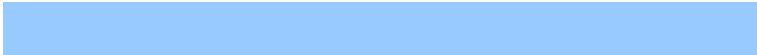


21.4041, 0.3127, 0.3290

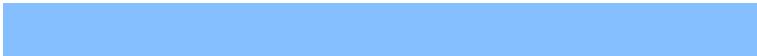


# Same Dimension

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



56.2353, 0.2476, 0.2662



49.6203, 0.2346, 0.2509



36.9327, 0.2392, 0.2060



18.8182, 0.2979, 0.3163



11.4114, 0.1753, 0.1509



1.3284, 0.1811, 0.1720



# Inverse Universe

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



48.3004, 0.3649, 0.2785



41.7060, 0.3803, 0.2687



94.7582, 0.3717, 0.4288



18.1325, 0.3218, 0.3176



11.8800, 0.5047, 0.2554

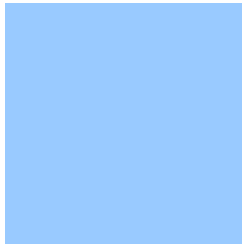


1.1787, 0.4782, 0.2408



# Previews

## White Background



This preview shows how the Yxy color 56.2334, 0.2476, 0.2662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

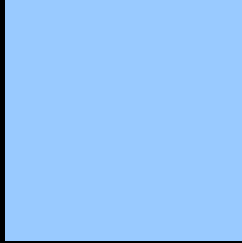
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.2334, 0.2476, 0.2662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

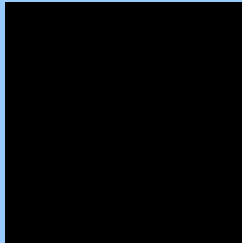
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

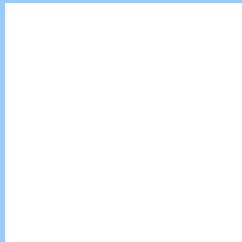
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.2334, 0.2476, 0.2662**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.2334, 0.2476, 0.2662.



This preview shows how white text looks on a background with the Yxy color 56.2334, 0.2476, 0.2662.

# 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

56.2334, 0.2476, 0.2662

### Protanopia

55.9996, 0.2673, 0.2659

### Deuteranopia

55.9939, 0.2650, 0.2598



## Tritanopia

56.0272, 0.2602, 0.3073

# Trichromacy



**Original Color**

56.2334, 0.2476, 0.2662

**Protanomaly**

56.1871, 0.2596, 0.2663

**Deuteranomaly**

56.0367, 0.2584, 0.2621

**Tritanomaly**

55.9567, 0.2557, 0.2917

# Monochromacy



**Original Color**

56.2334, 0.2476, 0.2662

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

53.9027, 0.2851, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.2334, 0.2476, 0.2662 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(153, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 202, 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(153, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2334, 0.2476, 0.2662 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(153, 202, 255) }
```

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

```
.border{ border-color:rgb(153, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2334, 0.2476, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 202, 255) }
```

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

```
.background{ background-color: rgb(153,  
202, 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