

Converting Colors

$Y_{xy}(56.3196, 0.2359, 0.2703)$

Have a look what the booklet for
Yxy(56.3196, 0.2359, 0.2703)
contains.

Yxy(56.4348, 0.2362, 0.2705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.4348, 0.2362, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	80CFFF
RGB	128, 207, 255
RGB Percent	50%, 81%, 100%
CMY	0.4976, 0.1883, 0.0000
CMYK	0.50, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 50%, 100%
XYZ	49.2787, 56.4348, 102.9179
YIQ	188.8510, -62.4920, -1.8200

Conversions

Conversions Part 2

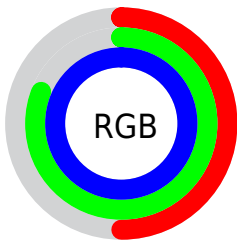
Format	Color
RYB	128, 177, 255
Decimal	8441855
CIELab	79.86, -11.52, -31.00
CIELCh	80, 33.071, 249.623
Yxy	56.4348, 0.2362, 0.2705
Android (android.graphics.Color)	4286631935 (0xFF80CFFF)
YUV	188.8510, 32.6115, -53.3663
Hunter-Lab	75.1231, -14.3742, -28.6405

Details

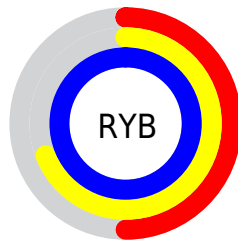
The Yxy color **56.4348, 0.2362, 0.2705** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.9215, 0.4266, 0.3790**, and the grayscale version is **50.6501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **28.0530, 0.2182, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **50.1653, 0.2229, 0.2562**, and if you desaturate by 10%, it is **63.4888, 0.2507, 0.2842**.

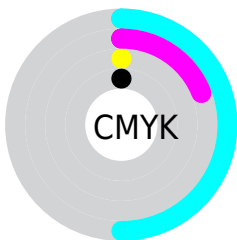
Distribution



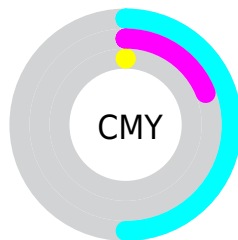
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4348, 0.2362, 0.2705 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 56.4348, 0.2362, 0.2705 by changing the saturation by 10% instead.


 56.4348, 0.2362,
0.2705

 56.4348, 0.2362,
0.2705


411.3280, 0.2719,
0.2988

 40.5516, 0.2281,
0.2638


 99.6400, 0.2486,
0.2805

 27.9689, 0.2180,
0.2555


 127.7309, 0.2534,
0.2844

 18.3022, 0.2055,
0.2448


 160.6597, 0.2576,
0.2877

 11.1672, 0.1893,
0.2306


198.8110, 0.2612,
0.2905

 6.1794, 0.1678,
0.2114

242.5691, 0.2644,
0.2930

 2.9545, 0.1385,
0.1839

292.3183, 0.2672,

 1.1080, 0.0977,

0.2952

0.1431

348.4432, 0.2697,
0.2971

■ 0.0000, 0.0000,
0.0000

■ 56.4348, 0.2362,
0.2705

■ 56.4348, 0.2362,
0.2705

■ 50.1653, 0.2229,
0.2562

■ 63.4888, 0.2507,
0.2842

■ 44.6346, 0.2112,
0.2415

■ 71.3635, 0.2661,
0.2970

■ 39.7949, 0.2015,
0.2266

■ 80.0956, 0.2818,
0.3088

■ 35.5894, 0.1939,
0.2120

■ 89.7185, 0.2975,
0.3195

■ 31.9300, 0.1883,
0.1977

100.0000, 0.3127,
0.3290

■ 31.8469, 0.1882,
0.1974

Harmonies

Analogous

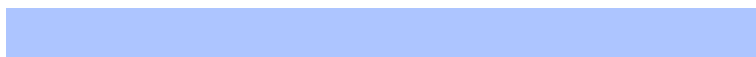
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4348, 0.2347, 0.2988



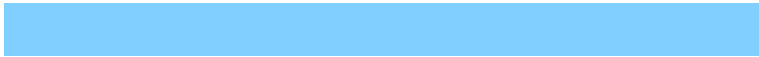
56.4348, 0.2362, 0.2705



56.4348, 0.2564, 0.2592

Triad

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



56.4348, 0.2362, 0.2705



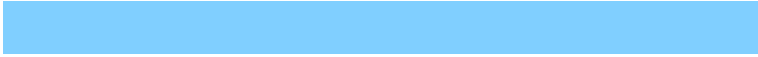
56.4348, 0.3757, 0.3148



56.4348, 0.3287, 0.4047

Complementary

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



56.4348, 0.2362, 0.2705



53.9215, 0.4266, 0.3790

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.



56.4348, 0.3687, 0.4039



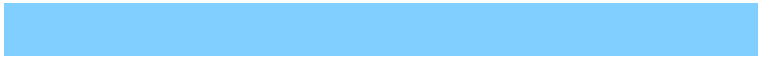
56.4348, 0.2362, 0.2705



56.4348, 0.3976, 0.3496

Square

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



56.4348, 0.2362, 0.2705



56.4348, 0.3361, 0.2846



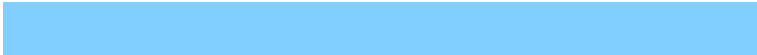
56.4348, 0.3946, 0.3823



56.4348, 0.2861, 0.3804

Rectangle

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



56.4348, 0.2362, 0.2705



56.4348, 0.2788, 0.2611



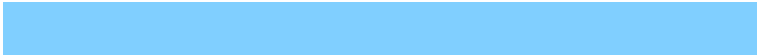
56.4348, 0.3946, 0.3823



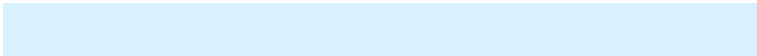
56.4348, 0.3429, 0.4072

Sweetspot

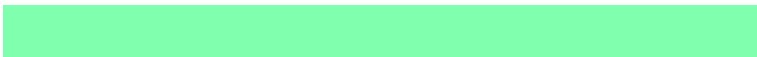
The Sweet Spot groups the original color and five complimentary colors.



56.4357, 0.2362, 0.2705



84.5638, 0.2893, 0.3140



79.1986, 0.2839, 0.4293



17.6713, 0.2860, 0.3117



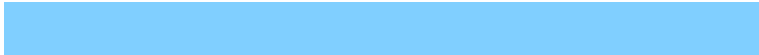
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



56.4357, 0.2362, 0.2705



50.0245, 0.2226, 0.2559



32.0774, 0.2208, 0.1909



19.2588, 0.2979, 0.3198



16.9377, 0.1888, 0.1997



1.8599, 0.1934, 0.2160

Inverse Universe

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



41.2313, 0.3645, 0.2495



34.7987, 0.3801, 0.2359



84.0179, 0.3936, 0.4366



18.1770, 0.3196, 0.3143



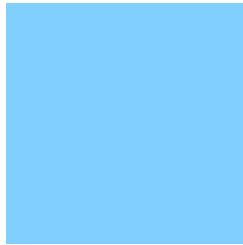
12.4378, 0.4456, 0.2228



1.2323, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 56.4348, 0.2362, 0.2705 looks on a white background.

Color Contrast Check

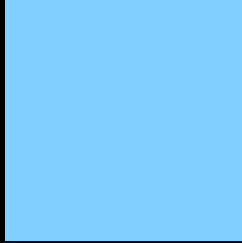
Large Text (above 18pt) WCAG AA × Fail

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 56.4348, 0.2362, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

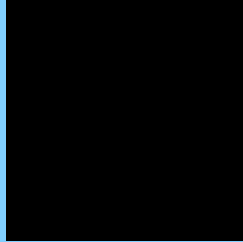
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

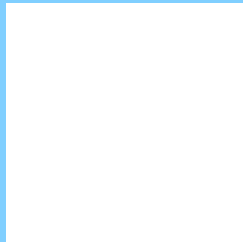
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4348, 0.2362, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 56.4348, 0.2362, 0.2705.



This preview shows how white text looks on a background with the Yxy color 56.4348, 0.2362, 0.2705.

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

56.4348, 0.2362, 0.2705

Protanopia

55.9983, 0.2710, 0.2703

Deuteranopia

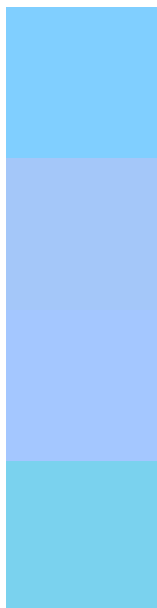
55.9939, 0.2650, 0.2598



Tritanopia

56.6660, 0.2453, 0.3069

Trichromacy



Original Color

56.4348, 0.2362, 0.2705

Protanomaly

55.5789, 0.2565, 0.2698

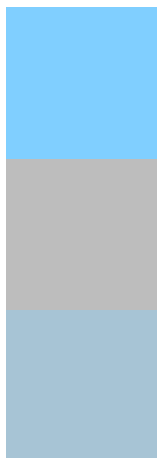
Deuteranomaly

55.9594, 0.2533, 0.2636

Tritanomaly

56.4038, 0.2419, 0.2934

Monochromacy



Original Color

56.4348, 0.2362, 0.2705

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.4994, 0.2793, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4348, 0.2362, 0.2705 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(128, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.4348, 0.2362, 0.2705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

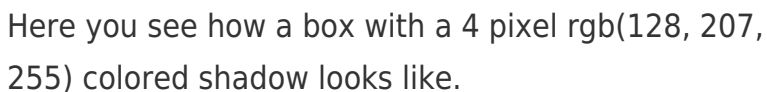
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 207, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4348, 0.2362, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 207, 255) }
```

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

```
.background{ background-color: rgb(128,  
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](#).

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