

Converting Colors

$Y_{xy}(56.1956, 0.2415, 0.2752)$

Have a look what the booklet for
Yxy(56.1956, 0.2415, 0.2752)
contains.

Yxy(56.1956, 0.2415, 0.2752)	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(56.1956, 0.2415, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	87CEFA
RGB	135, 206, 250
RGB Percent	53%, 81%, 98%
CMY	0.4707, 0.1921, 0.0196
CMYK	0.46, 0.18, 0.00, 0.02
HSL	203°, 92%, 75%
HSV	203°, 46%, 98%
XYZ	49.3141, 56.1956, 98.6894
YIQ	189.7870, -56.4400, -1.3680

Conversions

Conversions Part 2

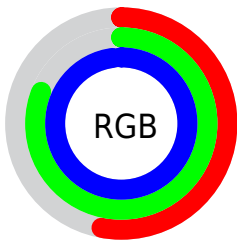
Format	Color
R _Y B	135, 179, 250
Decimal	8900346
CIE Lab	79.73, -10.83, -28.51
CIE LCh	80, 30.499, 249.192
Yxy	56.1956, 0.2415, 0.2752
Android (android.graphics.Color)	4287090426 (0xFF87CEFA)
YUV	189.7870, 29.6850, -48.0482
Hunter-Lab	74.9637, -13.7622, -25.5804

Details

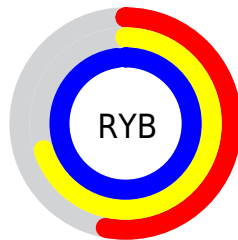
The Yxy color **56.1956, 0.2415, 0.2752** is a light color, and the websafe version is hex **99CCFF**, and the color name is **lightskyblue**. A complement of this color would be **54.2975, 0.4148, 0.3759**, and the grayscale version is **51.2117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **27.8845, 0.2248, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **49.8977, 0.2276, 0.2610**, and if you desaturate by 10%, it is **63.2645, 0.2564, 0.2887**.

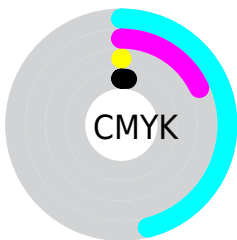
Distribution



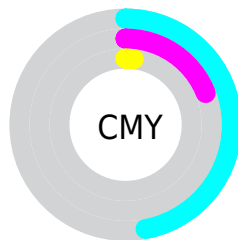
- Red (53%)
- Green (81%)
- Blue (98%)



- Red (53%)
- Yellow (70%)
- Blue (98%)



- Cyan (46%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)





- Cyan (47%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1956, 0.2415, 0.2752 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 56.1956, 0.2415, 0.2752 by changing the saturation by 10% instead.


 56.1956, 0.2415,
0.2752


 56.1956, 0.2415,
0.2752


410.4282, 0.2749,
0.3013


 40.3598, 0.2338,
0.2690

 99.2905, 0.2531,
0.2845

 27.8192, 0.2244,
0.2612


 127.3184, 0.2577,
0.2880

 18.1894, 0.2124,
0.2512


 160.1790, 0.2615,
0.2910

 11.0860, 0.1970,
0.2380

198.2569, 0.2649,
0.2937

 6.1247, 0.1763,
0.2197

241.9364, 0.2679,
0.2959

 2.9211, 0.1476,
0.1933

291.6018, 0.2705,

 1.0907, 0.1067,

0.2980

0.1533

347.6376, 0.2728,
0.2997

0.0000, 0.0000,
0.0000

56.1956, 0.2415,
0.2752

56.1956, 0.2415,
0.2752

49.8977, 0.2276,
0.2610

63.2645, 0.2564,
0.2887

44.3250, 0.2152,
0.2462

71.1341, 0.2719,
0.3012

39.4354, 0.2046,
0.2312

79.8399, 0.2877,
0.3128

35.1779, 0.1962,
0.2163

89.4129, 0.3034,
0.3232

31.4902, 0.1899,
0.2017

98.9275, 0.3157,
0.3326

■ 30.1429, 0.1878,
0.1960

■ 99.6821, 0.3156,
0.3338

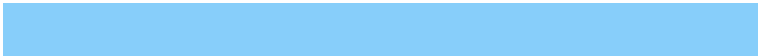
Harmonies

Analogous

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



56.1956, 0.2404, 0.3019



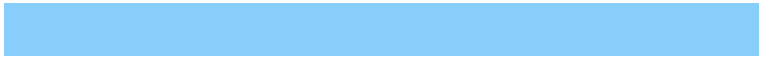
56.1956, 0.2415, 0.2752



56.1956, 0.2601, 0.2642

Triad

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



56.1956, 0.2415, 0.2752



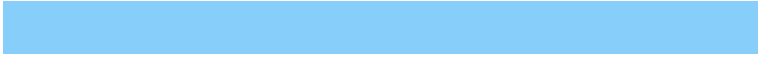
56.1956, 0.3705, 0.3155



56.1956, 0.3283, 0.3987

Complementary

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



56.1956, 0.2415, 0.2752



54.2975, 0.4148, 0.3759

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.



56.1956, 0.3651, 0.3981



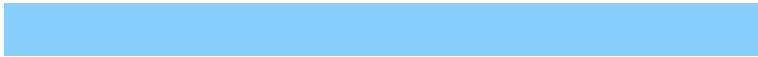
56.1956, 0.2415, 0.2752



56.1956, 0.3909, 0.3480

Square

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



56.1956, 0.2415, 0.2752



56.1956, 0.3338, 0.2874



56.1956, 0.3886, 0.3782



56.1956, 0.2888, 0.3767

Rectangle

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



56.1956, 0.2415, 0.2752



56.1956, 0.2809, 0.2658



56.1956, 0.3886, 0.3782



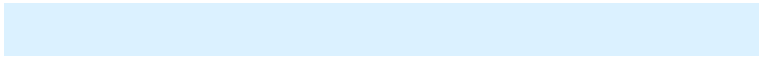
56.1956, 0.3414, 0.4010

Sweetspot

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



56.1977, 0.2415, 0.2752



85.4429, 0.2909, 0.3149



76.7002, 0.2855, 0.4202



17.8427, 0.2875, 0.3126



0.0000, 0.0000, 0.0000



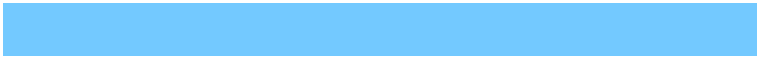
21.4041, 0.3127, 0.3290

Same Dimension

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



56.1977, 0.2415, 0.2752



52.7910, 0.2289, 0.2624



33.9619, 0.2285, 0.2032



18.4283, 0.2980, 0.3197



16.2755, 0.1885, 0.1984



1.7122, 0.1933, 0.2157

Inverse Universe

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



42.1006, 0.3595, 0.2556



37.6987, 0.3729, 0.2427



81.2964, 0.3875, 0.4291



17.4055, 0.3197, 0.3145



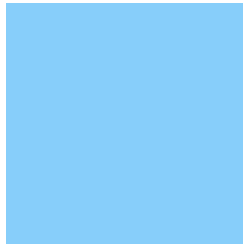
12.0539, 0.4471, 0.2237



1.1371, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 56.1956, 0.2415, 0.2752 looks on a white background.

Color Contrast Check

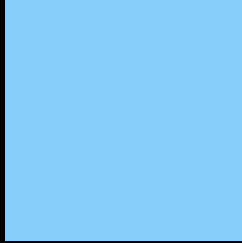
Large Text (above 18pt) WCAG AA × Fail

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 56.1956, 0.2415, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

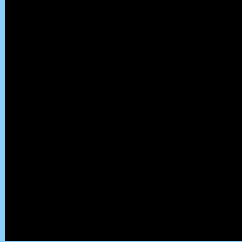
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

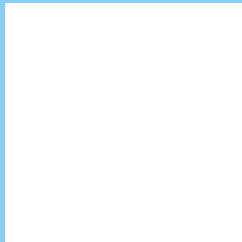
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1956, 0.2415, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 56.1956, 0.2415, 0.2752.



This preview shows how white text looks on a background with the Yxy color 56.1956, 0.2415, 0.2752.

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

56.1956, 0.2415, 0.2752

Protanopia

55.8801, 0.2741, 0.2746

Deuteranopia

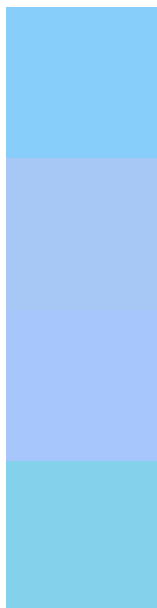
55.6709, 0.2674, 0.2609



Tritanopia

56.2284, 0.2501, 0.3070

Trichromacy



Original Color

56.1956, 0.2415, 0.2752

Protanomaly

55.6549, 0.2605, 0.2744

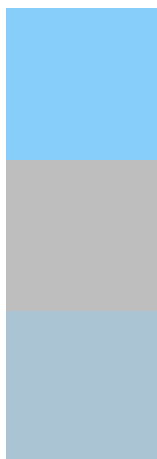
Deuteranomaly

55.6319, 0.2565, 0.2658

Tritanomaly

56.4244, 0.2474, 0.2961

Monochromacy



Original Color

56.1956, 0.2415, 0.2752

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.7794, 0.2820, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1956, 0.2415, 0.2752 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(135, 206, 250)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 250)  
}
```

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(135, 206, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 250) }
```

Border

The CSS property to change the border of an element to Yxy 56.1956, 0.2415, 0.2752 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(135, 206, 250) }
```

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

```
.border{ border-color:rgb(135, 206, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 206, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 206, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 206, 250);  
box-shadow:4px 4px 4px 4px rgb(135, 206,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1956, 0.2415, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 206, 250) }
```

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

```
.background{ background-color: rgb(135,  
206, 250) }
```

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