

Converting Colors

$Y_{xy}(57.0429, 0.2395, 0.2711)$

Have a look what the booklet for
Yxy(57.0429, 0.2395, 0.2711)
contains.

Yxy(56.9965, 0.2394, 0.2710)	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(56.9965, 0.2394, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	87CFFF
RGB	135, 207, 255
RGB Percent	53%, 81%, 100%
CMY	0.4708, 0.1882, 0.0000
CMYK	0.47, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 47%, 100%
XYZ	50.3504, 56.9965, 102.9723
YIQ	190.9440, -58.3200, -0.3360

Conversions

Conversions Part 2

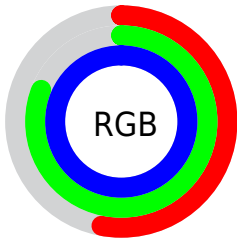
Format	Color
RYB	135, 180, 255
Decimal	8900607
CIELab	80.18, -9.99, -30.49
CIELCh	80, 32.085, 251.857
Yxy	56.9965, 0.2394, 0.2710
Android (android.graphics.Color)	4287090687 (0xFF87CFFF)
YUV	190.9440, 31.5796, -49.0629
Hunter-Lab	75.4960, -13.0714, -28.0210

Details

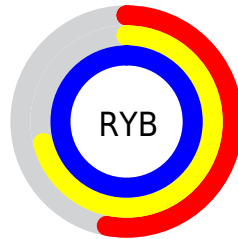
The Yxy color **56.9965, 0.2394, 0.2710** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8500, 0.4170, 0.3791**, and the grayscale version is **51.8991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **28.3962, 0.2222, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **50.3490, 0.2254, 0.2560**, and if you desaturate by 10%, it is **64.4708, 0.2544, 0.2853**.

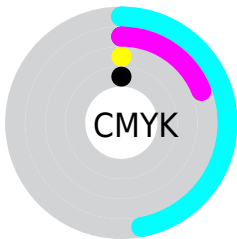
Distribution



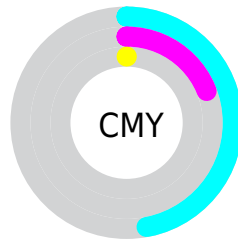
- Red (53%)
- Green (81%)
- Blue (100%)



- Red (53%)
- Yellow (71%)
- Blue (100%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9965, 0.2394, 0.2710 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 56.9965, 0.2394, 0.2710 by changing the saturation by 10% instead.


 56.9965, 0.2394,
0.2710


 56.9965, 0.2394,
0.2710


 413.4362, 0.2737,
0.2990


 41.0024, 0.2316,
0.2644

 100.4601, 0.2513,
0.2809


 28.3210, 0.2220,
0.2562


 128.6984, 0.2559,
0.2847


 18.5678, 0.2099,
0.2457


 161.7869, 0.2599,
0.2879

 11.3584, 0.1942,
0.2319

 200.1100, 0.2634,
0.2907

 6.3084, 0.1735,
0.2130

 244.0521, 0.2664,
0.2932

 3.0335, 0.1450,
0.1861

 293.9975, 0.2691,

 1.1493, 0.1052,

0.2953

0.1462

350.3308, 0.2715,
0.2973

0.0197, 0.0000,
0.0072

0.0000, 0.0000,
0.0000

56.9965, 0.2394,
0.2710

56.9965, 0.2394,
0.2710

50.3490, 0.2254,
0.2560

64.4708, 0.2544,
0.2853

44.4833, 0.2129,
0.2405

72.8086, 0.2701,
0.2986

39.3524, 0.2023,
0.2247

82.0465, 0.2860,
0.3108

34.9007, 0.1939,
0.2091

92.2182, 0.3017,
0.3218

■ 31.0591, 0.1876,
0.1940

100.0000, 0.3127,
0.3290

■ 30.0234, 0.1860,
0.1896

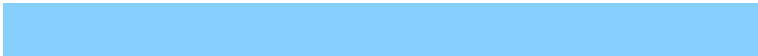
Harmonies

Analogous

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



56.9965, 0.2365, 0.2974



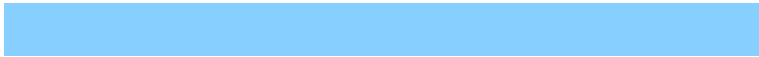
56.9965, 0.2394, 0.2710



56.9965, 0.2603, 0.2612

Triad

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



56.9965, 0.2394, 0.2710



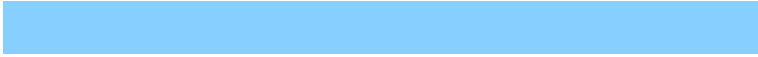
56.9965, 0.3760, 0.3177



56.9965, 0.3251, 0.4011

Complementary

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



56.9965, 0.2394, 0.2710



56.8500, 0.4170, 0.3791

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.



56.9965, 0.3644, 0.4023



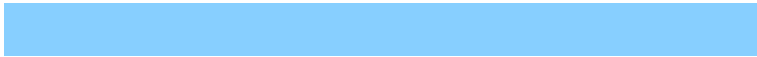
56.9965, 0.2394, 0.2710



56.9965, 0.3954, 0.3517

Square

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



56.9965, 0.2394, 0.2710



56.9965, 0.3385, 0.2879



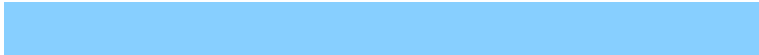
56.9965, 0.3907, 0.3827



56.9965, 0.2842, 0.3760

Rectangle

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



56.9965, 0.2394, 0.2710



56.9965, 0.2828, 0.2638



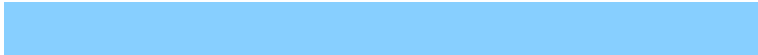
56.9965, 0.3907, 0.3827



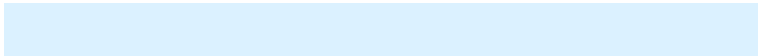
56.9965, 0.3390, 0.4042

Sweetspot

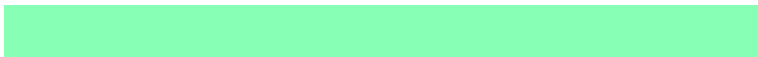
The Sweet Spot groups the original color and five complimentary colors.



56.9973, 0.2394, 0.2710



85.0769, 0.2908, 0.3143



80.0017, 0.2841, 0.4202



17.7534, 0.2874, 0.3118



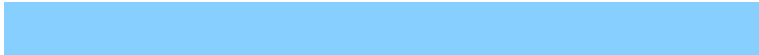
0.0000, 0.0000, 0.0000



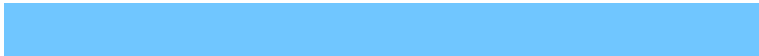
21.4041, 0.3127, 0.3290

Same Dimension

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



56.9973, 0.2394, 0.2710



51.0276, 0.2269, 0.2577



33.8476, 0.2258, 0.1971



19.1916, 0.2979, 0.3193



15.9881, 0.1867, 0.1921



1.7706, 0.1915, 0.2093

Inverse Universe

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



43.0794, 0.3633, 0.2559



36.9659, 0.3773, 0.2437



85.9150, 0.3884, 0.4330



18.1702, 0.3200, 0.3148



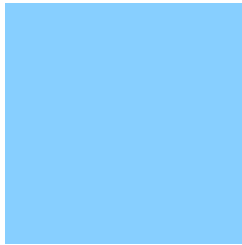
12.3420, 0.4543, 0.2276



1.2233, 0.4349, 0.2169

Previews

White Background



This preview shows how the Yxy color 56.9965, 0.2394, 0.2710 looks on a white background.

Color Contrast Check

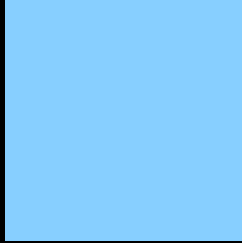
Large Text (above 18pt) WCAG AA × Fail

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 56.9965, 0.2394, 0.2710 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

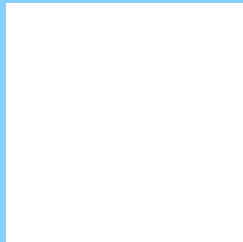
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9965, 0.2394, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 56.9965, 0.2394, 0.2710.

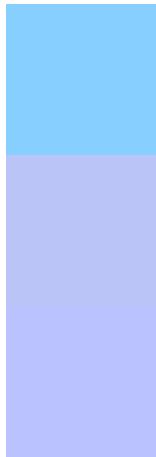


This preview shows how white text looks on a background with the Yxy color 56.9965, 0.2394, 0.2710.

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

56.9965, 0.2394, 0.2710

Protanopia

56.6344, 0.2712, 0.2705

Deuteranopia

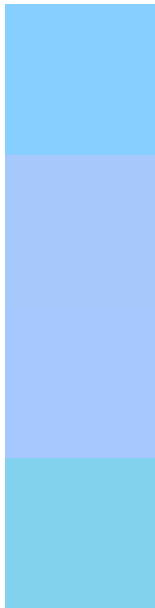
56.6893, 0.2664, 0.2612



Tritanopia

57.2561, 0.2491, 0.3071

Trichromacy



Original Color

56.9965, 0.2394, 0.2710

Protanomaly

56.4262, 0.2579, 0.2703

Deuteranomaly

56.2823, 0.2551, 0.2639

Tritanomaly

57.0121, 0.2457, 0.2938

Monochromacy



Original Color

56.9965, 0.2394, 0.2710

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.4455, 0.2815, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9965, 0.2394, 0.2710 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.9965, 0.2394, 0.2710 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, 207, 255) }
```

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

```
.border{ border-color:rgb(135, 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(135, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9965, 0.2394, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 207, 255) }
```

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

```
.background{ background-color: rgb(135,  
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