

Converting Colors

Yxy(56.6541, 0.2394, 0.2701)

Have a look what the booklet for
Yxy(56.6541, 0.2394, 0.2701)
contains.

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Color

Yxy(56.5135, 0.2392, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	87CEFF
RGB	135, 206, 255
RGB Percent	53%, 81%, 100%
CMY	0.4707, 0.1921, 0.0001
CMYK	0.47, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 47%, 100%
XYZ	50.1039, 56.5135, 102.8470
YIQ	190.3570, -58.0450, 0.1870

Conversions

Conversions Part 2

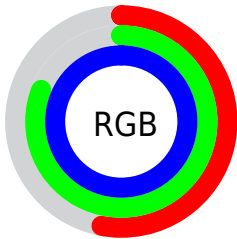
Format	Color
R_{YB}	135, 180, 255
Decimal	8900351
CIE _{Lab}	79.91, -9.48, -30.88
CIE _{LCh}	80, 32.302, 252.938
Yxy	56.5135, 0.2392, 0.2698
Android (android.graphics.Color)	4287090431 (0xFF87CEFF)
YUV	190.3570, 31.8690, -48.5481
Hunter-Lab	75.1755, -12.5881, -28.4914

Details

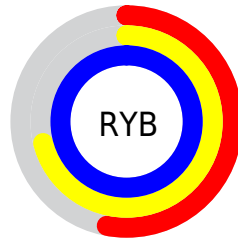
The Yxy color **56.5135, 0.2392, 0.2698** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.2493, 0.4164, 0.3801**, and the grayscale version is **51.5431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **28.0702, 0.2218, 0.2551** is the 20% darker color. If you saturate the color by 10%, you get **49.8047, 0.2251, 0.2544**, and if you desaturate by 10%, it is **64.0642, 0.2543, 0.2844**.

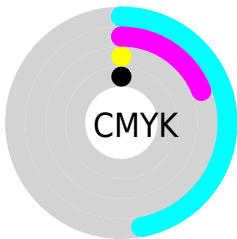
Distribution



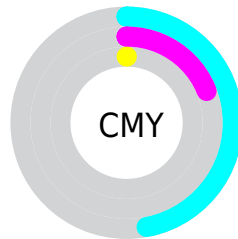
- Red (53%)
- Green (81%)
- Blue (100%)



- 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 56.5135, 0.2392, 0.2698 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 56.5135, 0.2392, 0.2698 by changing the saturation by 10% instead.


 56.5135, 0.2392,
0.2698


 56.5135, 0.2392,
0.2698


411.6238, 0.2736,
0.2983


 40.6148, 0.2313,
0.2631


 99.7550, 0.2512,
0.2799

 28.0182, 0.2217,
0.2547


 127.8665, 0.2558,
0.2837

 18.3394, 0.2095,
0.2440


 160.8178, 0.2598,
0.2871

 11.1939, 0.1938,
0.2299

198.9932, 0.2633,
0.2899

 6.1974, 0.1729,
0.2107

242.7771, 0.2663,
0.2924

 2.9655, 0.1442,
0.1834

292.5539, 0.2690,

 1.1137, 0.1041,

0.2946

0.1429

348.7080, 0.2715,
0.2966

0.0000, 0.0000,
0.0000

56.5135, 0.2392,
0.2698

56.5135, 0.2392,
0.2698

49.8047, 0.2251,
0.2544

64.0642, 0.2543,
0.2844

43.8884, 0.2125,
0.2386

72.4898, 0.2700,
0.2979

38.7184, 0.2017,
0.2225

81.8288, 0.2860,
0.3104

34.2390, 0.1932,
0.2066

92.1149, 0.3018,
0.3217

30.3805, 0.1868,
0.1911

99.9979, 0.3127,
0.3290

■ 29.3375, 0.1852,
0.1867

Harmonies

Analogous

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



56.5135, 0.2356, 0.2958



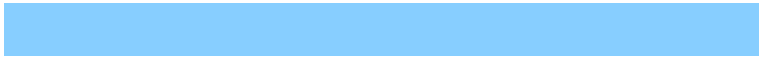
56.5135, 0.2392, 0.2698



56.5135, 0.2609, 0.2606

Triad

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



56.5135, 0.2392, 0.2698



56.5135, 0.3777, 0.3188



56.5135, 0.3237, 0.4013

Complementary

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



56.5135, 0.2392, 0.2698



57.2493, 0.4164, 0.3801

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.



56.5135, 0.3636, 0.4033



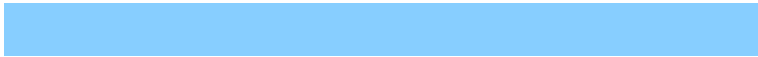
56.5135, 0.2392, 0.2698



56.5135, 0.3965, 0.3530

Square

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



56.5135, 0.2392, 0.2698



56.5135, 0.3403, 0.2885



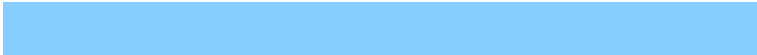
56.5135, 0.3908, 0.3842



56.5135, 0.2825, 0.3752

Rectangle

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



56.5135, 0.2392, 0.2698



56.5135, 0.2838, 0.2636



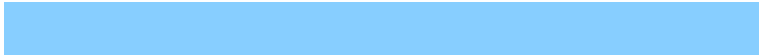
56.5135, 0.3908, 0.3842



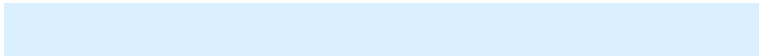
56.5135, 0.3377, 0.4047

Sweetspot

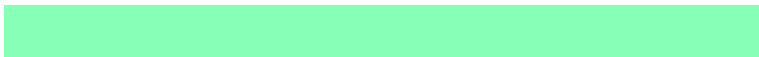
The Sweet Spot groups the original color and five complimentary colors.



56.5156, 0.2392, 0.2698



84.9043, 0.2908, 0.3140



80.0650, 0.2831, 0.4176



17.7112, 0.2874, 0.3115



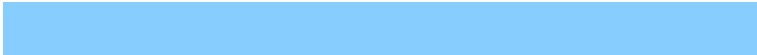
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



56.5156, 0.2392, 0.2698



50.4955, 0.2265, 0.2561



33.2227, 0.2254, 0.1947



19.1659, 0.2979, 0.3191



15.6348, 0.1859, 0.1892



1.7372, 0.1908, 0.2067

Inverse Universe

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



43.0291, 0.3642, 0.2568



36.9122, 0.3787, 0.2448



87.0840, 0.3875, 0.4347



18.1676, 0.3201, 0.3150



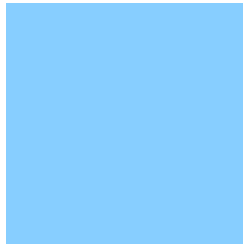
12.3063, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 56.5135, 0.2392, 0.2698 looks on a white background.

Color Contrast Check

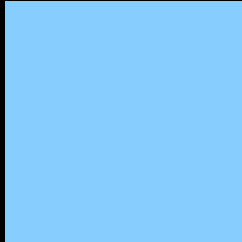
Large Text (above 18pt) WCAG AA × Fail

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 56.5135, 0.2392, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

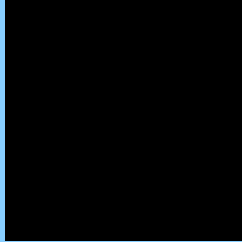
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

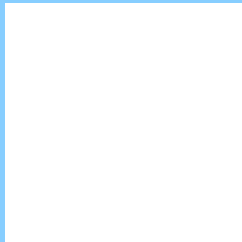
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5135, 0.2392, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 56.5135, 0.2392, 0.2698.



This preview shows how white text looks on a background with the Yxy color 56.5135, 0.2392, 0.2698.

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

56.5135, 0.2392, 0.2698

Protanopia

56.0599, 0.2704, 0.2692

Deuteranopia

56.1179, 0.2656, 0.2599



Tritanopia

56.7020, 0.2494, 0.3070

Trichromacy



Original Color

56.5135, 0.2392, 0.2698

Protanomaly

55.9645, 0.2578, 0.2691

Deuteranomaly

55.8237, 0.2549, 0.2627

Tritanomaly

56.5198, 0.2455, 0.2925

Monochromacy



Original Color

56.5135, 0.2392, 0.2698

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.8809, 0.2807, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5135, 0.2392, 0.2698 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.5135, 0.2392, 0.2698 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, 255) }
```

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

```
.border{ border-color:rgb(135, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5135, 0.2392, 0.2698 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, 255) }
```

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

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