

Converting Colors

$Yxy(57.3287, 0.2133, 0.2064)$

Have a look what the booklet for
Yxy(57.3287, 0.2133, 0.2064)
contains.

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Color

Yxy(53.0534, 0.2366, 0.2607)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 85C7FF |
| RGB | 133, 199, 255 |
| RGB Percent | 52%, 78%, 100% |
| CMY | 0.4783, 0.2196, 0.0000 |
| CMYK | 0.48, 0.22, 0.00, 0.00 |
| HSL | 208°, 100%, 76% |
| HSV | 208°, 48%, 100% |
| XYZ | 48.1490, 53.0534, 102.3013 |
| YIQ | 185.6500, -57.3120, 3.4240 |

Conversions

Conversions Part 2

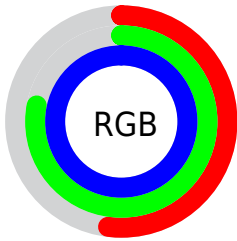
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 133, 176, 255 |
| Decimal | 8767487 |
| CIE Lab | 77.91, -6.19, -33.98 |
| CIE LCh | 78, 34.537, 259.682 |
| Yxy | 53.0534, 0.2366, 0.2607 |
| Android (android.graphics.Color) | 4286957567 (0xFF85C7FF) |
| YUV | 185.6500, 34.1896, -46.1740 |
| Hunter-Lab | 72.8378, -9.4697, -32.2869 |

Details

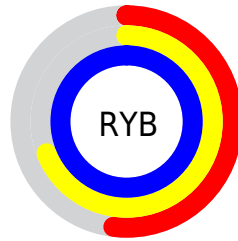
The Yxy color **53.0534, 0.2366, 0.2607** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3617, 0.4153, 0.3871**, and the grayscale version is **48.7318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **25.7839, 0.2181, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **46.0431, 0.2219, 0.2432**, and if you desaturate by 10%, it is **60.9859, 0.2523, 0.2773**.

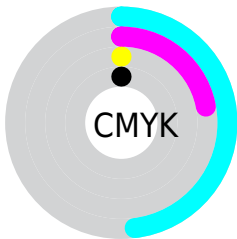
Distribution



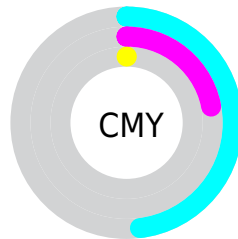
- Red (52%)
- Green (78%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0534, 0.2366, 0.2607 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 53.0534, 0.2366, 0.2607 by changing the saturation by 10% instead.

 53.0534, 0.2366,
0.2607

 53.0534, 0.2366,
0.2607


398.4900, 0.2726,
0.2936

 37.8454, 0.2283,
0.2530


 94.6829, 0.2492,
0.2723

 25.8627, 0.2181,
0.2434


 121.8733, 0.2540,
0.2768

 16.7210, 0.2052,
0.2311


 153.8265, 0.2582,
0.2806

 10.0357, 0.1885,
0.2151

190.9270, 0.2618,
0.2839

 5.4227, 0.1663,
0.1934

233.5592, 0.2650,
0.2868

 2.4973, 0.1360,
0.1629

282.1075, 0.2678,

 0.8753, 0.0927,

0.2893

0.1192

336.9563, 0.2703,
0.2916

0.0000, 0.0000,
0.0000

53.0534, 0.2366,
0.2607

53.0534, 0.2366,
0.2607

46.0431, 0.2219,
0.2432

60.9859, 0.2523,
0.2773

39.9027, 0.2086,
0.2251

69.8770, 0.2684,
0.2928

34.5824, 0.1973,
0.2070

79.7679, 0.2846,
0.3070

30.0225, 0.1882,
0.1892

90.6951, 0.3006,
0.3199

26.1463, 0.1815,
0.1721

99.9994, 0.3127,
0.3290

■ 25.3719, 0.1802,
0.1685

Harmonies

Analogous

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



53.0534, 0.2282, 0.2847



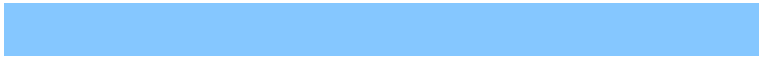
53.0534, 0.2366, 0.2607



53.0534, 0.2640, 0.2551

Triad

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



53.0534, 0.2366, 0.2607



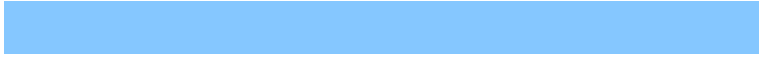
53.0534, 0.3905, 0.3258



53.0534, 0.3140, 0.4042

Complementary

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



53.0534, 0.2366, 0.2607



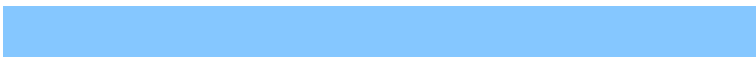
59.3617, 0.4153, 0.3871

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.



53.0534, 0.3589, 0.4121



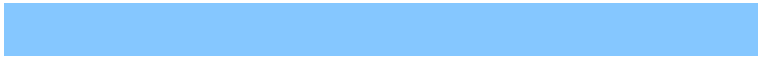
53.0534, 0.2366, 0.2607



53.0534, 0.4052, 0.3628

Square

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



53.0534, 0.2366, 0.2607



53.0534, 0.3530, 0.2916



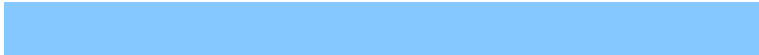
53.0534, 0.3929, 0.3950



53.0534, 0.2707, 0.3705

Rectangle

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



53.0534, 0.2366, 0.2607



53.0534, 0.2908, 0.2609



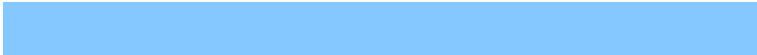
53.0534, 0.3929, 0.3950



53.0534, 0.3294, 0.4100

Sweetspot

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



53.0554, 0.2366, 0.2607



83.8308, 0.2908, 0.3121



80.1310, 0.2799, 0.4114



17.4495, 0.2873, 0.3093



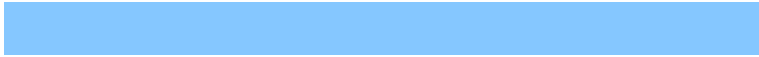
0.0000, 0.0000, 0.0000



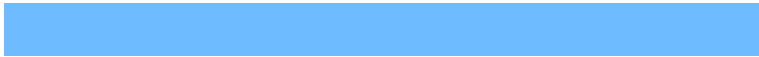
21.4041, 0.3127, 0.3290

Same Dimension

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



53.0554, 0.2366, 0.2607



46.5921, 0.2231, 0.2447



30.7143, 0.2224, 0.1847



19.0056, 0.2979, 0.3178



13.5609, 0.1809, 0.1713



1.5390, 0.1863, 0.1906

Inverse Universe

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



42.1677, 0.3720, 0.2617



35.9787, 0.3892, 0.2506



90.6379, 0.3860, 0.4411



18.1514, 0.3209, 0.3162



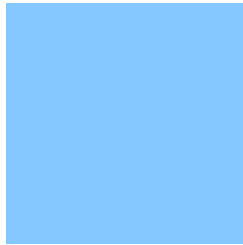
12.0969, 0.4791, 0.2413



1.1999, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 53.0534, 0.2366, 0.2607 looks on a white background.

Color Contrast Check

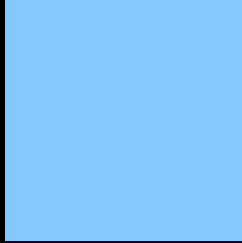
Large Text (above 18pt) WCAG AA × Fail

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 53.0534, 0.2366, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

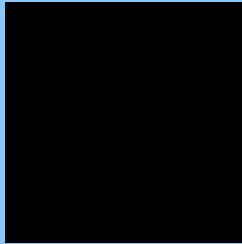
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

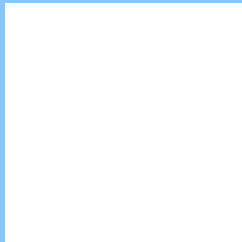
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0534, 0.2366, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 53.0534, 0.2366, 0.2607.



This preview shows how white text looks on a background with the Yxy color 53.0534, 0.2366, 0.2607.

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

53.0534, 0.2366, 0.2607

Protanopia

52.8343, 0.2633, 0.2612

Deuteranopia

52.7292, 0.2585, 0.2528



Tritanopia

53.1475, 0.2490, 0.3065

Trichromacy



Original Color

53.0534, 0.2366, 0.2607

Protanomaly

52.5785, 0.2520, 0.2599

Deuteranomaly

52.8335, 0.2499, 0.2558

Tritanomaly

53.1644, 0.2445, 0.2892

Monochromacy



Original Color

53.0534, 0.2366, 0.2607

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.1802, 0.2801, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0534, 0.2366, 0.2607 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(133, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 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(133, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.0534, 0.2366, 0.2607 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(133, 199, 255) }
```

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

```
.border{ border-color:rgb(133, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0534, 0.2366, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 255) }
```

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

```
.background{ background-color: rgb(133,  
199, 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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