

Converting Colors

$Y_{xy}(58.2384, 0.2354, 0.2758)$

Have a look what the booklet for
Yxy(58.2384, 0.2354, 0.2758)
contains.

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Color

Yxy(58.0936, 0.2354, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	7CD3FF
RGB	124, 211, 255
RGB Percent	49%, 83%, 100%
CMY	0.5137, 0.1725, 0.0000
CMYK	0.51, 0.17, 0.00, 0.00
HSL	200°, 100%, 74%
HSV	200°, 51%, 100%
XYZ	49.6559, 58.0936, 103.1931
YIQ	190.0030, -65.9760, -4.7600

Conversions

Conversions Part 2

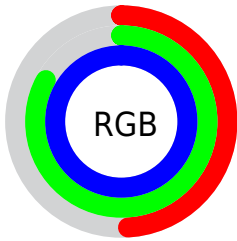
Format	Color
RYB	124, 176, 255
Decimal	8180735
CIELab	80.79, -14.50, -29.57
CIELCh	81, 32.938, 243.877
Yxy	58.0936, 0.2354, 0.2754
Android (android.graphics.Color)	4286370815 (0xFF7CD3FF)
YUV	190.0030, 32.0435, -57.8846
Hunter-Lab	76.2192, -17.0929, -26.9193

Details

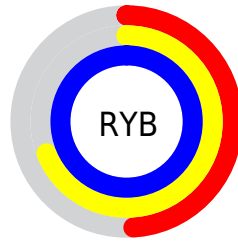
The Yxy color **58.0936, 0.2354, 0.2754** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.7193, 0.4350, 0.3747**, and the grayscale version is **51.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **28.8463, 0.2171, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **52.2926, 0.2229, 0.2628**, and if you desaturate by 10%, it is **64.6167, 0.2492, 0.2875**.

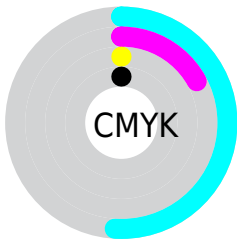
Distribution



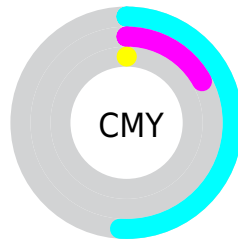
- Red (49%)
- Green (83%)
- Blue (100%)



- Red (49%)
- Yellow (69%)
- Blue (100%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0936, 0.2354, 0.2754 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 58.0936, 0.2354, 0.2754 by changing the saturation by 10% instead.


 58.0936, 0.2354,
0.2754


 58.0936, 0.2354,
0.2754


417.5346, 0.2713,
0.3015

 41.8839, 0.2273,
0.2692


 102.0592, 0.2478,
0.2846

 29.0104, 0.2173,
0.2615


 130.5838, 0.2527,
0.2882

 19.0887, 0.2047,
0.2515


 163.9822, 0.2569,
0.2912

 11.7344, 0.1887,
0.2384

202.6388, 0.2605,
0.2938

 6.5631, 0.1674,
0.2203

246.9379, 0.2637,
0.2961

 3.1904, 0.1386,
0.1944

297.2640, 0.2665,

 1.2319, 0.0985,

0.2981

354.0014, 0.2691,
0.2999

0.1553

0.0875, 0.0000,
0.0311

0.0000, 0.0000,
0.0000

58.0936, 0.2354,
0.2754

58.0936, 0.2354,
0.2754

52.2926, 0.2229,
0.2628

64.6167, 0.2492,
0.2875

47.1651, 0.2122,
0.2498

71.8933, 0.2640,
0.2989

42.6651, 0.2034,
0.2367

79.9605, 0.2794,
0.3095

38.7355, 0.1968,
0.2238

88.8504, 0.2950,
0.3191

■ 35.7272, 0.1925,
0.2129

■ 98.5932, 0.3106,
0.3279

■ 99.9993, 0.3127,
0.3290

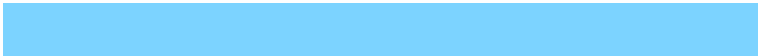
Harmonies

Analogous

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



58.0936, 0.2376, 0.3063



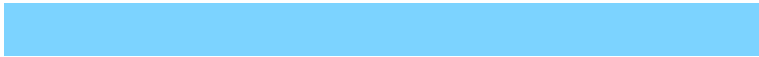
58.0936, 0.2354, 0.2754



58.0936, 0.2520, 0.2609

Triad

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



58.0936, 0.2354, 0.2754



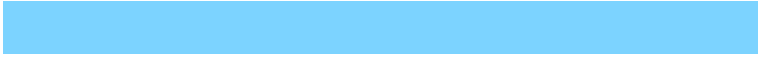
58.0936, 0.3684, 0.3087



58.0936, 0.3366, 0.4054

Complementary

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



58.0936, 0.2354, 0.2754



50.7193, 0.4350, 0.3747

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.



58.0936, 0.3742, 0.4001



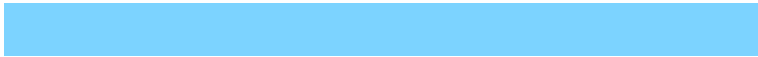
58.0936, 0.2354, 0.2754



58.0936, 0.3941, 0.3428

Square

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



58.0936, 0.2354, 0.2754



58.0936, 0.3274, 0.2805



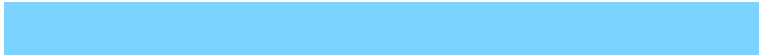
58.0936, 0.3960, 0.3760



58.0936, 0.2942, 0.3859

Rectangle

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



58.0936, 0.2354, 0.2754



58.0936, 0.2723, 0.2607



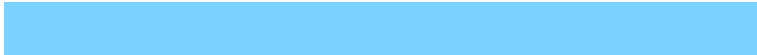
58.0936, 0.3960, 0.3760



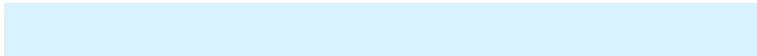
58.0936, 0.3503, 0.4063

Sweetspot

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



58.0958, 0.2354, 0.2754



85.5296, 0.2894, 0.3157



78.6141, 0.2854, 0.4390



17.9046, 0.2861, 0.3137



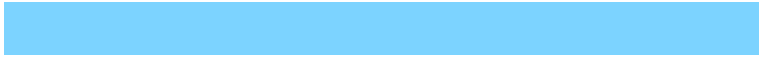
0.0000, 0.0000, 0.0000



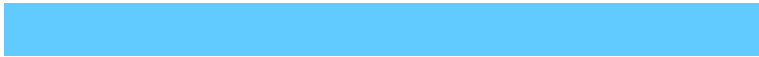
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0958, 0.2354, 0.2754



51.9520, 0.2222, 0.2619



32.0156, 0.2186, 0.1912



19.3934, 0.2980, 0.3208



18.9569, 0.1931, 0.2150



2.0475, 0.1971, 0.2295

Inverse Universe

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



40.3805, 0.3609, 0.2420



34.0507, 0.3753, 0.2276



81.0819, 0.3982, 0.4360



18.1906, 0.3190, 0.3133



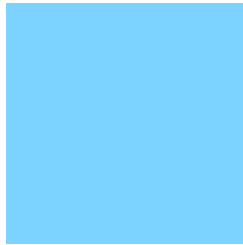
12.6417, 0.4287, 0.2135



1.2512, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 58.0936, 0.2354, 0.2754 looks on a white background.

Color Contrast Check

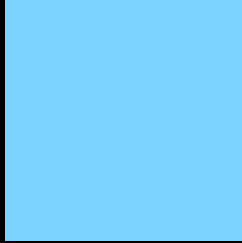
Large Text (above 18pt) WCAG AA × Fail

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 58.0936, 0.2354, 0.2754 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

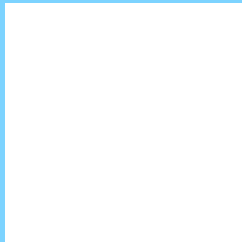
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0936, 0.2354, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 58.0936, 0.2354, 0.2754.

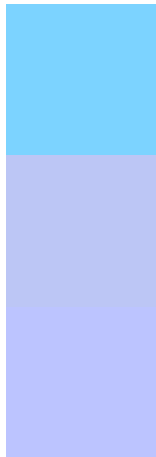


This preview shows how white text looks on a background with the Yxy color 58.0936, 0.2354, 0.2754.

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

58.0936, 0.2354, 0.2754

Protanopia

57.6721, 0.2740, 0.2752

Deuteranopia

57.3912, 0.2678, 0.2626



Tritanopia

58.1401, 0.2433, 0.3071

Trichromacy



Original Color

58.0936, 0.2354, 0.2754

Protanomaly

57.5508, 0.2577, 0.2748

Deuteranomaly

56.9926, 0.2542, 0.2661

Tritanomaly

58.3063, 0.2407, 0.2961

Monochromacy



Original Color

58.0936, 0.2354, 0.2754

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.3502, 0.2781, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0936, 0.2354, 0.2754 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(124, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 211, 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(124, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.0936, 0.2354, 0.2754 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(124, 211, 255) }
```

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

```
.border{ border-color:rgb(124, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0936, 0.2354, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 211, 255) }
```

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

```
.background{ background-color: rgb(124,  
211, 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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