

Converting Colors

$Yxy(59.2446, 0.2219, 0.2635)$

Have a look what the booklet for
Yxy(59.2446, 0.2219, 0.2635)
contains.

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Color

Yxy(58.0798, 0.2272, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	65D6FF
RGB	101, 214, 255
RGB Percent	40%, 84%, 100%
CMY	0.6045, 0.1607, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.4496, 58.0798, 103.3156
YIQ	184.8870, -80.5090, -11.2050

Conversions

Conversions Part 2

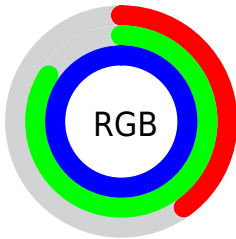
Format	Color
R _Y B	101, 166, 255
Decimal	6674175
CIE Lab	80.78, -20.52, -29.66
CIE LCh	81, 36.072, 235.321
Yxy	58.0798, 0.2272, 0.2781
Android (android.graphics.Color)	4284864255 (0xFF65D6FF)
YUV	184.8870, 34.5657, -73.5689
Hunter-Lab	76.2101, -22.2308, -27.0305

Details

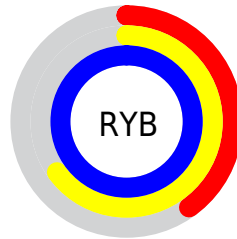
The Yxy color **58.0798, 0.2272, 0.2781** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.4897, 0.4744, 0.3698**, and the grayscale version is **48.2675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **28.9316, 0.2074, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **53.4735, 0.2173, 0.2681**, and if you desaturate by 10%, it is **63.2894, 0.2388, 0.2879**.

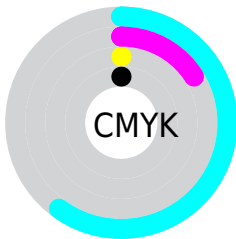
Distribution



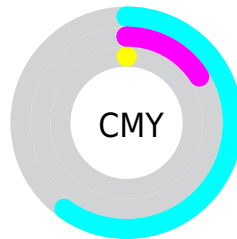
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0798, 0.2272, 0.2781 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 58.0798, 0.2272, 0.2781 by changing the saturation by 10% instead.


 58.0798, 0.2272,
0.2781


 58.0798, 0.2272,
0.2781


417.4832, 0.2667,
0.3032

 41.8728, 0.2183,
0.2721

 102.0391, 0.2408,
0.2871

 29.0017, 0.2074,
0.2645


 130.5601, 0.2462,
0.2905

 19.0821, 0.1939,
0.2546


 163.9546, 0.2508,
0.2934

 11.7296, 0.1766,
0.2416

202.6070, 0.2548,
0.2959

 6.5599, 0.1539,
0.2235

246.9017, 0.2583,
0.2981

 3.1884, 0.1237,
0.1972

297.2230, 0.2614,

 1.2309, 0.0812,

0.3000

0.1578

353.9554, 0.2642,
0.3017

0.0867, 0.0000,
0.0307

0.0000, 0.0000,
0.0000

58.0798, 0.2272,
0.2781

58.0798, 0.2272,
0.2781

53.4735, 0.2173,
0.2681

63.2894, 0.2388,
0.2879

49.4184, 0.2094,
0.2580

69.1357, 0.2519,
0.2972

45.8626, 0.2036,
0.2479

75.6568, 0.2661,
0.3061

42.8519, 0.1996,
0.2385

82.8856, 0.2811,
0.3143

■ 90.8523, 0.2965,
0.3219

99.5854, 0.3120,
0.3287

99.9999, 0.3127,
0.3290

Harmonies

Analogous

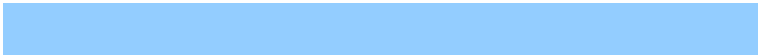
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0798, 0.2353, 0.3160



58.0798, 0.2272, 0.2781



58.0798, 0.2395, 0.2574

Triad

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



58.0798, 0.2272, 0.2781



58.0798, 0.3619, 0.2971



58.0798, 0.3514, 0.4139

Complementary

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



58.0798, 0.2272, 0.2781



41.4897, 0.4744, 0.3698

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.



58.0798, 0.3888, 0.4006



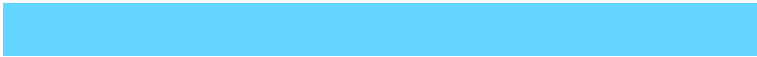
58.0798, 0.2272, 0.2781



58.0798, 0.3964, 0.3328

Square

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



58.0798, 0.2272, 0.2781



58.0798, 0.3148, 0.2695



58.0798, 0.4061, 0.3700



58.0798, 0.3052, 0.4006

Rectangle

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



58.0798, 0.2272, 0.2781



58.0798, 0.2582, 0.2539



58.0798, 0.4061, 0.3700



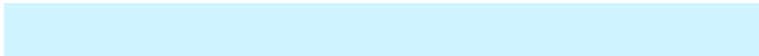
58.0798, 0.3654, 0.4121

Sweetspot

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



58.0819, 0.2272, 0.2781



84.7707, 0.2849, 0.3162



76.1526, 0.2884, 0.4795



17.6669, 0.2804, 0.3139



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.



58.0819, 0.2272, 0.2781



52.3903, 0.2151, 0.2655



28.5543, 0.2048, 0.1789



19.6164, 0.2980, 0.3225



22.6493, 0.2000, 0.2401



2.3847, 0.2032, 0.2515

Inverse Universe

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



35.3934, 0.3608, 0.2201



29.9306, 0.3745, 0.2059



71.5446, 0.4206, 0.4409



18.2131, 0.3179, 0.3117



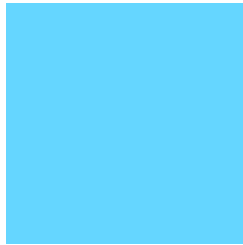
13.0144, 0.4022, 0.1989



1.2853, 0.3908, 0.1926

Previews

White Background



This preview shows how the Yxy color 58.0798, 0.2272, 0.2781 looks on a white background.

Color Contrast Check

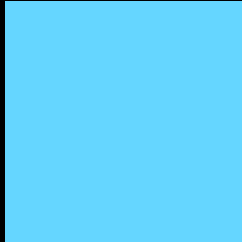
Large Text (above 18pt) WCAG AA × Fail

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 58.0798, 0.2272, 0.2781 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

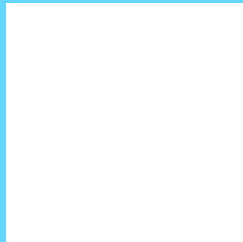
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0798, 0.2272, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 58.0798, 0.2272, 0.2781.

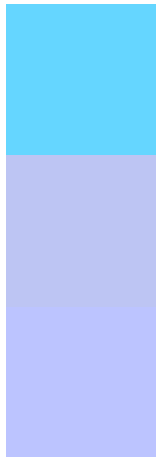


This preview shows how white text looks on a background with the Yxy color 58.0798, 0.2272, 0.2781.

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

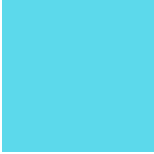
58.0798, 0.2272, 0.2781

Protanopia

57.2224, 0.2758, 0.2762

Deuteranopia

57.3912, 0.2678, 0.2626



Tritanopia

57.8992, 0.2333, 0.3054

Trichromacy



Original Color

58.0798, 0.2272, 0.2781



Protanomaly

56.5954, 0.2541, 0.2763



Deuteranomaly

56.9998, 0.2495, 0.2677



Tritanomaly

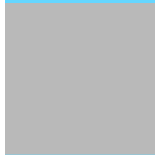
57.9554, 0.2311, 0.2956

Monochromacy



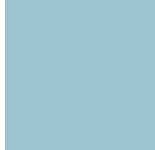
Original Color

58.0798, 0.2272, 0.2781



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.0030, 0.2723, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0798, 0.2272, 0.2781 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(101, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 214, 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(101, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.0798, 0.2272, 0.2781 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(101, 214, 255) }
```

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

```
.border{ border-color:rgb(101, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0798, 0.2272, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 214, 255) }
```

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

```
.background{ background-color: rgb(101,  
214, 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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