

Converting Colors

$Y_{xy}(59.7080, 0.2384, 0.2932)$

Have a look what the booklet for
Yxy(59.7080, 0.2384, 0.2932)
contains.

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Color

Yxy(59.5559, 0.2385, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	76D8F5
RGB	118, 216, 245
RGB Percent	46%, 85%, 96%
CMY	0.5372, 0.1529, 0.0392
CMYK	0.52, 0.12, 0.00, 0.04
HSL	194°, 86%, 71%
HSV	194°, 52%, 96%
XYZ	48.5112, 59.5559, 95.3342
YIQ	190.0040, -67.7170, -11.7570

Conversions

Conversions Part 2

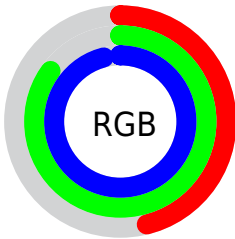
Format	Color
R _Y B	118, 173, 245
Decimal	7788789
CIE Lab	81.60, -21.09, -23.06
CIE LCh	82, 31.255, 227.558
Yxy	59.5559, 0.2385, 0.2928
Android (android.graphics.Color)	4285978869 (0xFF76D8F5)
YUV	190.0040, 27.1130, -63.1475
Hunter-Lab	77.1725, -22.8453, -19.2225

Details

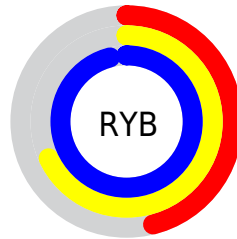
The Yxy color **59.5559, 0.2385, 0.2928** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.6004, 0.4450, 0.3604**, and the grayscale version is **51.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **29.9481, 0.2211, 0.2823** is the 20% darker color. If you saturate the color by 10%, you get **55.2400, 0.2276, 0.2845**, and if you desaturate by 10%, it is **64.4194, 0.2509, 0.3008**.

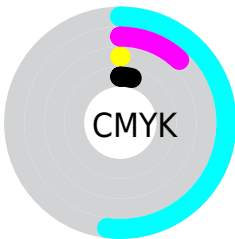
Distribution



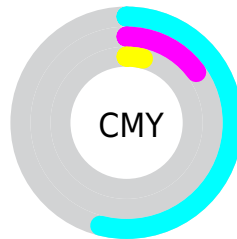
- Red (46%)
- Green (85%)
- Blue (96%)



- Red (46%)
- Yellow (68%)
- Blue (96%)



- Cyan (52%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)





- Cyan (54%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5559, 0.2385, 0.2928 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 59.5559, 0.2385, 0.2928 by changing the saturation by 10% instead.


 59.5559, 0.2385,
0.2928


 59.5559, 0.2385,
0.2928


422.9589, 0.2729,
0.3109


 43.0608, 0.2307,
0.2884


 104.1852, 0.2504,
0.2993

 29.9328, 0.2211,
0.2828


 133.0881, 0.2551,
0.3018

 19.7876, 0.2090,
0.2755


 166.8958, 0.2591,
0.3039

 12.2407, 0.1934,
0.2656

205.9926, 0.2626,
0.3057

 6.9079, 0.1727,
0.2515

250.7629, 0.2656,
0.3072

 3.4045, 0.1442,
0.2305

301.5911, 0.2684,

 1.3464, 0.1030,

0.3086

0.1965

358.8617, 0.2708,
0.3098

0.1767, 0.0000,
0.0786

0.0000, 0.0000,
0.0000

59.5559, 0.2385,
0.2928

59.5559, 0.2385,
0.2928

55.2400, 0.2276,
0.2845

64.4194, 0.2509,
0.3008

51.4288, 0.2186,
0.2760

69.8562, 0.2646,
0.3084

48.0829, 0.2115,
0.2675

75.8981, 0.2792,
0.3155

45.1527, 0.2064,
0.2590

82.5725, 0.2944,
0.3220

■ 43.0051, 0.2034,
0.2521

■ 89.9046, 0.3099,
0.3280

■ 95.9670, 0.3189,
0.3334

■ 99.3734, 0.3185,
0.3386

Harmonies

Analogous

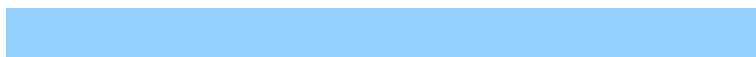
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.5559, 0.2504, 0.3284



59.5559, 0.2385, 0.2928



59.5559, 0.2447, 0.2702

Triad

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



59.5559, 0.2385, 0.2928



59.5559, 0.3452, 0.2943



59.5559, 0.3559, 0.4008

Complementary

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



59.5559, 0.2385, 0.2928



41.6004, 0.4450, 0.3604

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.



59.5559, 0.3843, 0.3855



59.5559, 0.2385, 0.2928



59.5559, 0.3786, 0.3244

Square

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



59.5559, 0.2385, 0.2928



59.5559, 0.3042, 0.2727



59.5559, 0.3931, 0.3571



59.5559, 0.3171, 0.3951

Rectangle

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



59.5559, 0.2385, 0.2928



59.5559, 0.2584, 0.2641



59.5559, 0.3931, 0.3571



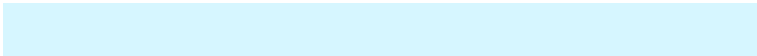
59.5559, 0.3671, 0.3977

Sweetspot

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



59.5581, 0.2385, 0.2928



87.2627, 0.2880, 0.3193



71.2264, 0.2924, 0.4599



18.3559, 0.2849, 0.3180



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.



59.5581, 0.2385, 0.2928



60.3569, 0.2273, 0.2842



33.5575, 0.2219, 0.2096



18.0782, 0.2980, 0.3235



23.3840, 0.2038, 0.2535



2.2081, 0.2067, 0.2641

Inverse Universe

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



37.3339, 0.3467, 0.2290



34.8991, 0.3558, 0.2131



66.3395, 0.4068, 0.4234



16.6997, 0.3173, 0.3109



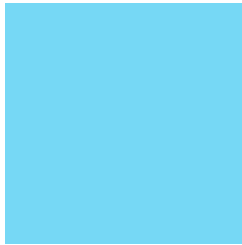
12.4600, 0.3888, 0.1915



1.1105, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 59.5559, 0.2385, 0.2928 looks on a white background.

Color Contrast Check

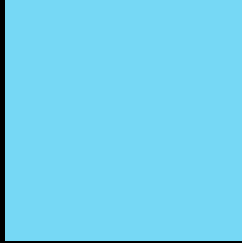
Large Text (above 18pt) WCAG AA × Fail

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 59.5559, 0.2385, 0.2928 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 59.5559, 0.2385, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 59.5559, 0.2385, 0.2928.



This preview shows how white text looks on a background with the Yxy color 59.5559, 0.2385, 0.2928.

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

59.5559, 0.2385, 0.2928

Protanopia

58.8512, 0.2858, 0.2899

Deuteranopia

58.6424, 0.2775, 0.2709



Tritanopia

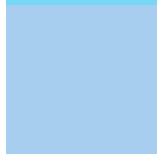
59.7858, 0.2423, 0.3073

Trichromacy



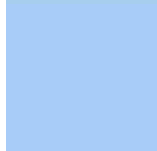
Original Color

59.5559, 0.2385, 0.2928



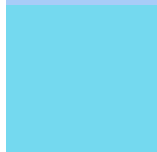
Protanomaly

58.5311, 0.2654, 0.2907



Deuteranomaly

58.2879, 0.2602, 0.2774



Tritanomaly

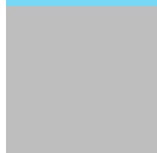
59.5707, 0.2406, 0.3011

Monochromacy



Original Color

59.5559, 0.2385, 0.2928



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.3925, 0.2794, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5559, 0.2385, 0.2928 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(118, 216, 245)` looks like.

```
.text, #text, p{  
    color:rgb(118, 216, 245)  
}
```

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(118, 216, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 216, 245) }
```

Border

The CSS property to change the border of an element to Yxy 59.5559, 0.2385, 0.2928 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(118, 216, 245) }
```

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

```
.border{ border-color:rgb(118, 216, 245) }
```

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

Here you see how a box with a 4 pixel rgb(118, 216, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 216, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 216, 245);  
box-shadow:4px 4px 4px 4px rgb(118, 216,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5559, 0.2385, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 216, 245) }
```

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

```
.background{ background-color: rgb(118,  
216, 245) }
```

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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