

Converting Colors

$Y_{xy}(58.0378, 0.2386, 0.2901)$

Have a look what the booklet for
Yxy(58.0378, 0.2386, 0.2901)
contains.

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Color

Yxy(58.0421, 0.2386, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	77D5F4
RGB	119, 213, 244
RGB Percent	47%, 84%, 96%
CMY	0.5332, 0.1647, 0.0430
CMYK	0.51, 0.13, 0.00, 0.04
HSL	195°, 85%, 71%
HSV	195°, 51%, 96%
XYZ	47.7382, 58.0421, 94.2959
YIQ	188.4280, -65.9750, -10.2870

Conversions

Conversions Part 2

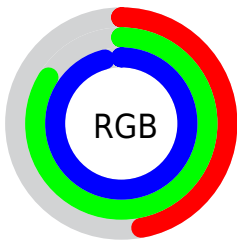
Format	Color
R _Y B	119, 173, 244
Decimal	7853556
CIE Lab	80.76, -19.63, -23.81
CIE LCh	81, 30.856, 230.489
Yxy	58.0421, 0.2386, 0.2901
Android (android.graphics.Color)	4286043636 (0xFF77D5F4)
YUV	188.4280, 27.3970, -60.8884
Hunter-Lab	76.1854, -21.4753, -20.0545

Details

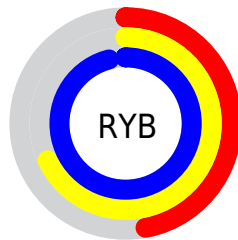
The Yxy color **58.0421, 0.2386, 0.2901** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.4080, 0.4411, 0.3627**, and the grayscale version is **50.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **28.9253, 0.2209, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **53.5416, 0.2273, 0.2810**, and if you desaturate by 10%, it is **63.1041, 0.2514, 0.2988**.

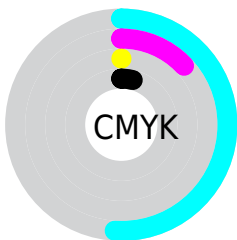
Distribution



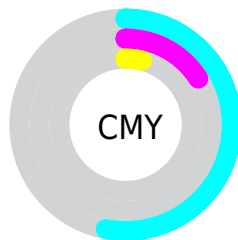
- Red (47%)
- Green (84%)
- Blue (96%)



- Red (47%)
- Yellow (68%)
- Blue (96%)



- Cyan (51%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0421, 0.2386, 0.2901 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 58.0421, 0.2386, 0.2901 by changing the saturation by 10% instead.


 58.0421, 0.2386,
0.2901

 58.0421, 0.2386,
0.2901

417.3428, 0.2732,
0.3095

 41.8425, 0.2307,
0.2854


 101.9842, 0.2506,
0.2971

 28.9780, 0.2210,
0.2794


 130.4954, 0.2553,
0.2997

 19.0642, 0.2088,
0.2715


 163.8793, 0.2593,
0.3020

 11.7167, 0.1930,
0.2610

202.5203, 0.2628,
0.3039

 6.5510, 0.1719,
0.2460

246.8028, 0.2658,
0.3056

 3.1830, 0.1429,
0.2235

297.1111, 0.2686,

 1.2280, 0.0999,

0.3070

0.1878

353.8296, 0.2710,
0.3083

0.0844, 0.0000,
0.0406

0.0000, 0.0000,
0.0000

58.0421, 0.2386,
0.2901

58.0421, 0.2386,
0.2901

53.5416, 0.2273,
0.2810

63.1041, 0.2514,
0.2988

49.5602, 0.2179,
0.2717

68.7531, 0.2653,
0.3071

46.0590, 0.2104,
0.2624

75.0209, 0.2801,
0.3147

42.9890, 0.2049,
0.2531

81.9344, 0.2954,
0.3218

■ 40.5809, 0.2014,
0.2450

■ 89.5191, 0.3108,
0.3283

■ 95.7607, 0.3195,
0.3341

■ 99.3133, 0.3191,
0.3395

Harmonies

Analogous

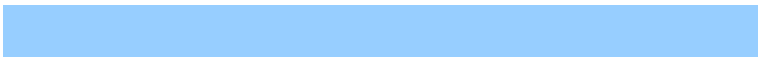
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0421, 0.2487, 0.3246



58.0421, 0.2386, 0.2901



58.0421, 0.2465, 0.2691

Triad

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



58.0421, 0.2386, 0.2901



58.0421, 0.3488, 0.2971



58.0421, 0.3523, 0.4010

Complementary

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



58.0421, 0.2386, 0.2901



42.4080, 0.4411, 0.3627

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.



58.0421, 0.3820, 0.3875



58.0421, 0.2386, 0.2901



58.0421, 0.3807, 0.3276

Square

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



58.0421, 0.2386, 0.2901



58.0421, 0.3082, 0.2745



58.0421, 0.3929, 0.3601



58.0421, 0.3131, 0.3930

Rectangle

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



58.0421, 0.2386, 0.2901



58.0421, 0.2613, 0.2641



58.0421, 0.3929, 0.3601



58.0421, 0.3637, 0.3986

Sweetspot

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



58.0443, 0.2386, 0.2901



87.5429, 0.2895, 0.3192



70.7876, 0.2915, 0.4552



18.3919, 0.2863, 0.3177



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.



58.0443, 0.2386, 0.2901



59.2037, 0.2274, 0.2811



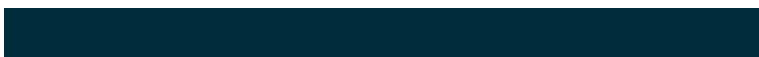
33.0360, 0.2224, 0.2086



18.0201, 0.2980, 0.3230



22.2874, 0.2018, 0.2465



2.1200, 0.2050, 0.2581

Inverse Universe

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



37.2459, 0.3488, 0.2323



35.2466, 0.3583, 0.2170



67.0098, 0.4045, 0.4243



16.6939, 0.3176, 0.3114



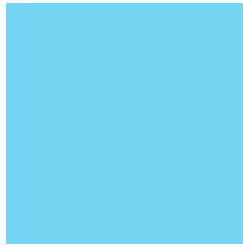
12.3493, 0.3957, 0.1954



1.1017, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 58.0421, 0.2386, 0.2901 looks on a white background.

Color Contrast Check

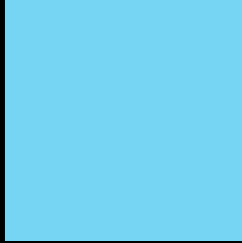
Large Text (above 18pt) WCAG AA × Fail

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 58.0421, 0.2386, 0.2901 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 58.0421, 0.2386, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 58.0421, 0.2386, 0.2901.



This preview shows how white text looks on a background with the Yxy color 58.0421, 0.2386, 0.2901.

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

58.0421, 0.2386, 0.2901

Protanopia

57.5351, 0.2835, 0.2873

Deuteranopia

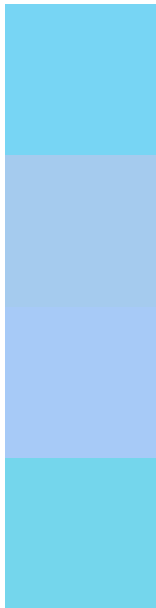
57.2769, 0.2759, 0.2692



Tritanopia

58.0719, 0.2429, 0.3070

Trichromacy



Original Color

58.0421, 0.2386, 0.2901

Protanomaly

56.8843, 0.2638, 0.2869

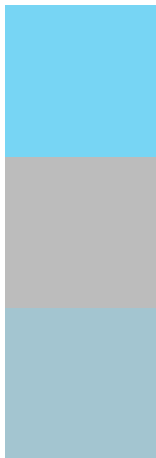
Deuteranomaly

57.1719, 0.2599, 0.2759

Tritanomaly

57.8623, 0.2412, 0.3008

Monochromacy



Original Color

58.0421, 0.2386, 0.2901

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.2731, 0.2798, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0421, 0.2386, 0.2901 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(119, 213, 244)` looks like.

```
.text, #text, p{  
    color:rgb(119, 213, 244)  
}
```

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(119, 213, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 213, 244) }
```

Border

The CSS property to change the border of an element to Yxy 58.0421, 0.2386, 0.2901 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(119, 213, 244) }
```

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

```
.border{ border-color:rgb(119, 213, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 213, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 213, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 213, 244);  
box-shadow:4px 4px 4px 4px rgb(119, 213,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0421, 0.2386, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 213, 244) }
```

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

```
.background{ background-color: rgb(119,  
213, 244) }
```

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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