

Converting Colors

$Y_{xy}(60.2982, 0.2383, 0.2825)$

Have a look what the booklet for
Yxy(60.2982, 0.2383, 0.2825)
contains.

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Color

Yxy(60.2048, 0.2386, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	7FD7FD
RGB	127, 215, 253
RGB Percent	50%, 84%, 99%
CMY	0.5016, 0.1569, 0.0078
CMYK	0.50, 0.15, 0.00, 0.01
HSL	198°, 97%, 75%
HSV	198°, 50%, 99%
XYZ	50.7951, 60.2048, 101.8883
YIQ	193.0200, -64.6460, -6.8380

Conversions

Conversions Part 2

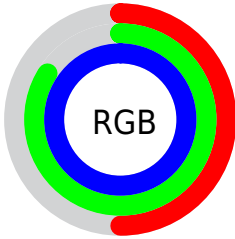
Format	Color
RYB	127, 179, 253
Decimal	8378365
CIELab	81.95, -16.44, -26.74
CIELCh	82, 31.393, 238.420
Yxy	60.2048, 0.2386, 0.2828
Android (android.graphics.Color)	4286568445 (0xFF7FD7FD)
YUV	193.0200, 29.5701, -57.8995
Hunter-Lab	77.5918, -18.9312, -23.5415

Details

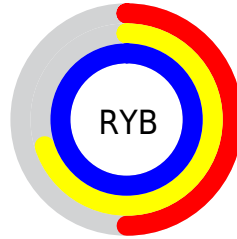
The Yxy color **60.2048, 0.2386, 0.2828** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.3791, 0.4322, 0.3690**, and the grayscale version is **53.2066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **30.2510, 0.2212, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **54.6990, 0.2264, 0.2716**, and if you desaturate by 10%, it is **66.3847, 0.2522, 0.2935**.

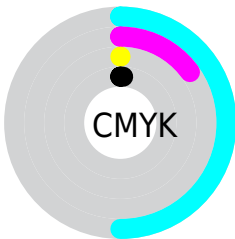
Distribution



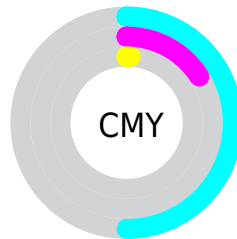
- Red (50%)
- Green (84%)
- Blue (99%)



- Red (50%)
- Yellow (70%)
- Blue (99%)



- Cyan (50%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)





- Cyan (50%)
- Magenta (16%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2048, 0.2386, 0.2828 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 60.2048, 0.2386, 0.2828 by changing the saturation by 10% instead.


 60.2048, 0.2386,
0.2828


 60.2048, 0.2386,
0.2828


425.3522, 0.2729,
0.3053

 43.5837, 0.2308,
0.2774


 105.1267, 0.2505,
0.2908

 30.3434, 0.2213,
0.2707


 134.1963, 0.2551,
0.2939

 20.0994, 0.2094,
0.2620


 168.1842, 0.2591,
0.2965

 12.4673, 0.1941,
0.2504

207.4749, 0.2626,
0.2987

 7.0628, 0.1738,
0.2344

252.4526, 0.2656,
0.3007

 3.5014, 0.1461,
0.2112

303.5018, 0.2683,

 1.3988, 0.1073,

0.3024

0.1753

361.0069, 0.2707,
0.3040

■ 0.2158, 0.0000,
0.0763

■ 0.0000, 0.0000,
0.0000

■ 60.2048, 0.2386,
0.2828

■ 60.2048, 0.2386,
0.2828

■ 54.6990, 0.2264,
0.2716

■ 66.3847, 0.2522,
0.2935

■ 49.8210, 0.2158,
0.2601

■ 73.2679, 0.2668,
0.3036

■ 45.5278, 0.2072,
0.2485

■ 80.8891, 0.2820,
0.3129

■ 41.7664, 0.2007,
0.2369

■ 89.2790, 0.2976,
0.3214

■ 38.4529, 0.1960,
0.2256

■ 98.4659, 0.3131,
0.3292

■ 38.3792, 0.1959,
0.2253

■ 99.8732, 0.3139,
0.3309

Harmonies

Analogous

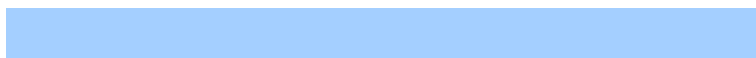
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.2048, 0.2440, 0.3145



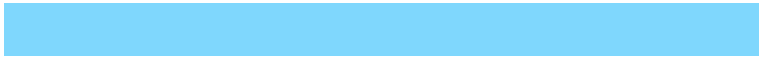
60.2048, 0.2386, 0.2828



60.2048, 0.2512, 0.2659

Triad

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



60.2048, 0.2386, 0.2828



60.2048, 0.3589, 0.3045



60.2048, 0.3425, 0.4015

Complementary

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



60.2048, 0.2386, 0.2828



49.3791, 0.4322, 0.3690

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.



60.2048, 0.3759, 0.3931



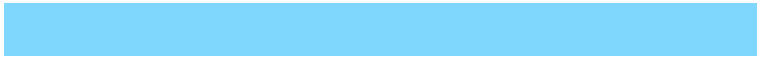
60.2048, 0.2386, 0.2828



60.2048, 0.3865, 0.3362

Square

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



60.2048, 0.2386, 0.2828



60.2048, 0.3191, 0.2792



60.2048, 0.3926, 0.3683



60.2048, 0.3025, 0.3873

Rectangle

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



60.2048, 0.2386, 0.2828



60.2048, 0.2688, 0.2637



60.2048, 0.3926, 0.3683



60.2048, 0.3550, 0.4011

Sweetspot

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



60.2071, 0.2386, 0.2828



86.3025, 0.2894, 0.3171



77.4953, 0.2880, 0.4403



18.0915, 0.2861, 0.3152



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.



60.2071, 0.2386, 0.2828



55.5418, 0.2261, 0.2713



34.1610, 0.2229, 0.2016



19.5008, 0.2980, 0.3217



20.6808, 0.1964, 0.2271



2.2058, 0.2000, 0.2401

Inverse Universe

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



40.9962, 0.3544, 0.2406



35.3557, 0.3665, 0.2255



77.8182, 0.3976, 0.4294



18.2014, 0.3185, 0.3126



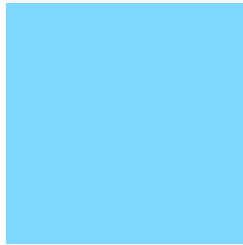
12.8157, 0.4156, 0.2063



1.2672, 0.4022, 0.1989

Previews

White Background



This preview shows how the Yxy color 60.2048, 0.2386, 0.2828 looks on a white background.

Color Contrast Check

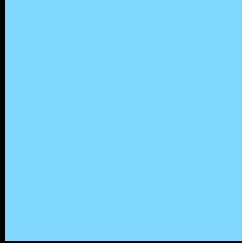
Large Text (above 18pt) WCAG AA × Fail

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 60.2048, 0.2386, 0.2828 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 60.2048, 0.2386, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 60.2048, 0.2386, 0.2828.



This preview shows how white text looks on a background with the Yxy color 60.2048, 0.2386, 0.2828.

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

60.2048, 0.2386, 0.2828

Protanopia

59.7137, 0.2795, 0.2814

Deuteranopia

59.6689, 0.2728, 0.2669



Tritanopia

60.2639, 0.2444, 0.3062

Trichromacy



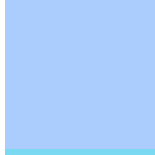
Original Color

60.2048, 0.2386, 0.2828



Protanomaly

59.4041, 0.2623, 0.2810



Deuteranomaly

59.3644, 0.2583, 0.2724



Tritanomaly

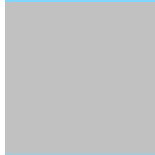
60.2475, 0.2422, 0.2978

Monochromacy



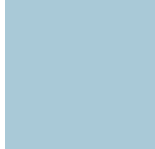
Original Color

60.2048, 0.2386, 0.2828



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.1146, 0.2798, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2048, 0.2386, 0.2828 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(127, 215, 253)` looks like.

```
.text, #text, p{  
    color:rgb(127, 215, 253)  
}
```

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(127, 215, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 215, 253) }
```

Border

The CSS property to change the border of an element to Yxy 60.2048, 0.2386, 0.2828 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(127, 215, 253) }
```

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

```
.border{ border-color:rgb(127, 215, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 215, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 215, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 215, 253);  
box-shadow:4px 4px 4px 4px rgb(127, 215,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2048, 0.2386, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 215, 253) }
```

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

```
.background{ background-color: rgb(127,  
215, 253) }
```

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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