

Converting Colors

$Yxy(60.8222, 0.2348, 0.2829)$

Have a look what the booklet for
Yxy(60.8222, 0.2348, 0.2829)
contains.

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Color

Yxy(60.7676, 0.2348, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	77D9FF
RGB	119, 217, 255
RGB Percent	47%, 85%, 100%
CMY	0.5338, 0.1489, 0.0001
CMYK	0.53, 0.15, 0.00, 0.00
HSL	197°, 100%, 73%
HSV	197°, 53%, 100%
XYZ	50.4534, 60.7676, 103.6573
YIQ	192.0300, -70.6060, -8.9580

Conversions

Conversions Part 2

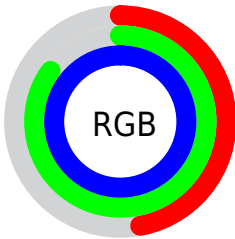
Format	Color
RYB	119, 176, 255
Decimal	7854591
CIELab	82.25, -18.66, -27.34
CIELCh	82, 33.107, 235.686
Yxy	60.7676, 0.2348, 0.2828
Android (android.graphics.Color)	4286044671 (0xFF77D9FF)
YUV	192.0300, 31.0442, -64.0473
Hunter-Lab	77.9536, -20.8892, -24.2723

Details

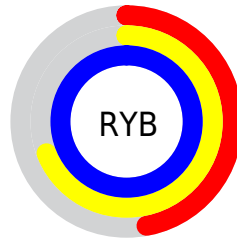
The Yxy color **60.7676, 0.2348, 0.2828** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.6377, 0.4467, 0.3682**, and the grayscale version is **52.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **30.6748, 0.2169, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **55.6166, 0.2235, 0.2724**, and if you desaturate by 10%, it is **66.5647, 0.2477, 0.2928**.

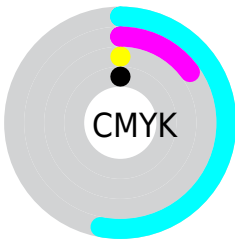
Distribution



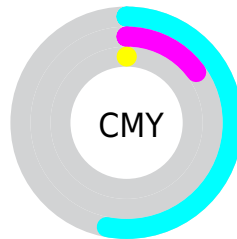
- Red (47%)
- Green (85%)
- Blue (100%)



- Red (47%)
- Yellow (69%)
- Blue (100%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7676, 0.2348, 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 60.7676, 0.2348, 0.2828 by changing the saturation by 10% instead.


 60.7676, 0.2348,
0.2828


 60.7676, 0.2348,
0.2828


427.4214, 0.2707,
0.3054


 44.0376, 0.2267,
0.2774

 105.9424, 0.2472,
0.2909

 30.7001, 0.2168,
0.2706


 135.1560, 0.2520,
0.2939

 20.3706, 0.2045,
0.2619


 169.2996, 0.2562,
0.2965

 12.6647, 0.1887,
0.2502

208.7576, 0.2598,
0.2988

 7.1981, 0.1679,
0.2341

253.9143, 0.2631,
0.3008

 3.5863, 0.1397,
0.2107

305.1543, 0.2659,

 1.4449, 0.1009,

0.3025

0.1748

362.8619, 0.2684,
0.3040

0.2495, 0.0000,
0.0826

0.0000, 0.0000,
0.0000

60.7676, 0.2348,
0.2828

60.7676, 0.2348,
0.2828

55.6166, 0.2235,
0.2724

66.5647, 0.2477,
0.2928

51.0631, 0.2140,
0.2618

73.0383, 0.2617,
0.3023

47.0616, 0.2065,
0.2512

80.2244, 0.2766,
0.3111

43.5541, 0.2010,
0.2406

88.1545, 0.2920,
0.3193

■ 41.4497, 0.1983,
0.2337

■ 96.8576, 0.3075,
0.3267

99.9985, 0.3127,
0.3290

Harmonies

Analogous

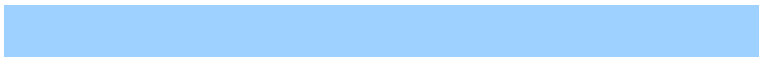
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7676, 0.2421, 0.3172



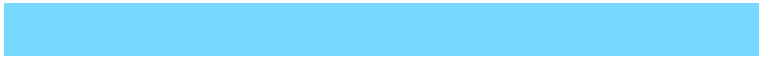
60.7676, 0.2348, 0.2828



60.7676, 0.2463, 0.2638

Triad

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



60.7676, 0.2348, 0.2828



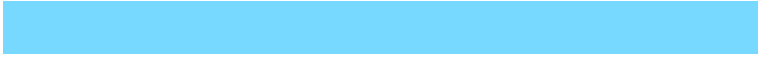
60.7676, 0.3577, 0.3005



60.7676, 0.3476, 0.4055

Complementary

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



60.7676, 0.2348, 0.2828



46.6377, 0.4467, 0.3682

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.



60.7676, 0.3815, 0.3944



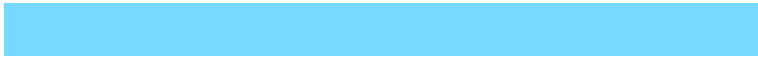
60.7676, 0.2348, 0.2828



60.7676, 0.3885, 0.3333

Square

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



60.7676, 0.2348, 0.2828



60.7676, 0.3153, 0.2750



60.7676, 0.3971, 0.3671



60.7676, 0.3057, 0.3929

Rectangle

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



60.7676, 0.2348, 0.2828



60.7676, 0.2637, 0.2605



60.7676, 0.3971, 0.3671



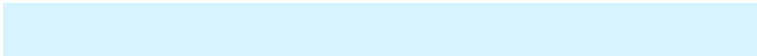
60.7676, 0.3603, 0.4042

Sweetspot

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



60.7699, 0.2348, 0.2828



86.0213, 0.2879, 0.3172



77.7901, 0.2889, 0.4561



18.0581, 0.2847, 0.3155



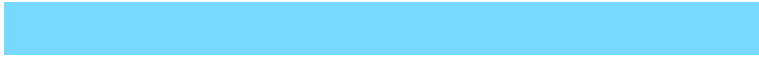
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



60.7699, 0.2348, 0.2828



55.3287, 0.2228, 0.2718



33.1447, 0.2170, 0.1963



19.5748, 0.2980, 0.3222



21.9274, 0.1987, 0.2355



2.3193, 0.2021, 0.2474

Inverse Universe

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



39.4292, 0.3552, 0.2321



33.5076, 0.3671, 0.2172



75.4765, 0.4064, 0.4320



18.2089, 0.3181, 0.3120



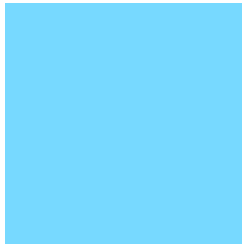
12.9415, 0.4070, 0.2016



1.2787, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 60.7676, 0.2348, 0.2828 looks on a white background.

Color Contrast Check

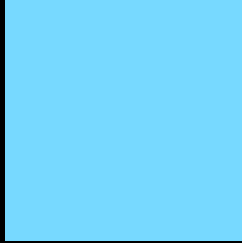
Large Text (above 18pt) WCAG AA × Fail

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 60.7676, 0.2348, 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 60.7676, 0.2348, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 60.7676, 0.2348, 0.2828.



This preview shows how white text looks on a background with the Yxy color 60.7676, 0.2348, 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

60.7676, 0.2348, 0.2828

Protanopia

60.2420, 0.2789, 0.2815

Deuteranopia

60.1307, 0.2729, 0.2680



Tritanopia

60.8702, 0.2406, 0.3062

Trichromacy



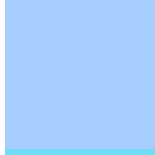
Original Color

60.7676, 0.2348, 0.2828



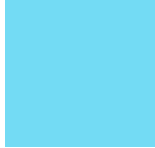
Protanomaly

59.6184, 0.2601, 0.2809



Deuteranomaly

59.5781, 0.2562, 0.2723



Tritanomaly

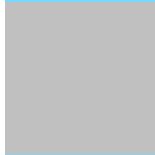
60.8395, 0.2385, 0.2977

Monochromacy



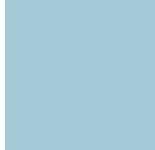
Original Color

60.7676, 0.2348, 0.2828



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.6789, 0.2771, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7676, 0.2348, 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(119, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 217, 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(119, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.7676, 0.2348, 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(119, 217, 255) }
```

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

```
.border{ border-color:rgb(119, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7676, 0.2348, 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(119, 217, 255) }
```

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

```
.background{ background-color: rgb(119,  
217, 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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