

Converting Colors

$Yxy(60.0753, 0.2378, 0.2799)$

Have a look what the booklet for
Yxy(60.0753, 0.2378, 0.2799)
contains.

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Color

Yxy(59.9023, 0.2379, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	80D6FF
RGB	128, 214, 255
RGB Percent	50%, 84%, 100%
CMY	0.4978, 0.1608, 0.0000
CMYK	0.50, 0.16, 0.00, 0.00
HSL	199°, 100%, 75%
HSV	199°, 50%, 100%
XYZ	51.0049, 59.9023, 103.4890
YIQ	192.9600, -64.4170, -5.4810

Conversions

Conversions Part 2

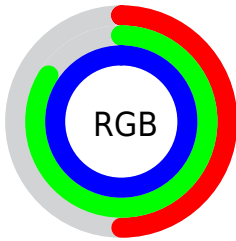
Format	Color
R _Y B	128, 179, 255
Decimal	8443647
CIE Lab	81.79, -15.17, -28.05
CIE LCh	82, 31.888, 241.585
Yxy	59.9023, 0.2379, 0.2794
Android (android.graphics.Color)	4286633727 (0xFF80D6FF)
YUV	192.9600, 30.5857, -56.9699
Hunter-Lab	77.3966, -17.8113, -25.1007

Details

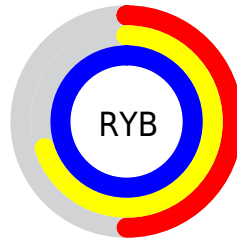
The Yxy color **59.9023, 0.2379, 0.2794** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.2168, 0.4308, 0.3718**, and the grayscale version is **53.1563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **30.0317, 0.2202, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **54.1036, 0.2254, 0.2674**, and if you desaturate by 10%, it is **66.4119, 0.2518, 0.2909**.

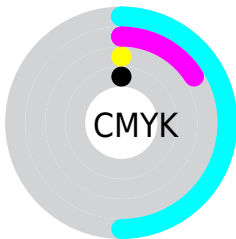
Distribution



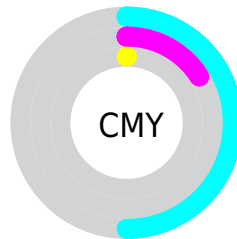
- Red (50%)
- Green (84%)
- Blue (100%)



- Red (50%)
- Yellow (70%)
- Blue (100%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9023, 0.2379, 0.2794 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 59.9023, 0.2379, 0.2794 by changing the saturation by 10% instead.


 59.9023, 0.2379,
0.2794


 59.9023, 0.2379,
0.2794


424.2376, 0.2725,
0.3035

 43.3399, 0.2301,
0.2737


 104.6879, 0.2499,
0.2879

 30.1519, 0.2205,
0.2665


 133.6799, 0.2545,
0.2912

 19.9539, 0.2084,
0.2573


 167.5839, 0.2586,
0.2940

 12.3615, 0.1930,
0.2452

206.7843, 0.2621,
0.2964

 6.9904, 0.1726,
0.2284

251.6655, 0.2652,
0.2985

 3.4561, 0.1448,
0.2042

302.6118, 0.2679,

 1.3742, 0.1060,

0.3004

0.1674

360.0077, 0.2703,
0.3020

■ 0.1976, 0.0000,
0.0669

■ 0.0000, 0.0000,
0.0000

■ 59.9023, 0.2379,
0.2794

■ 59.9023, 0.2379,
0.2794

■ 54.1036, 0.2254,
0.2674

■ 66.4119, 0.2518,
0.2909

■ 48.9699, 0.2145,
0.2550

■ 73.6645, 0.2666,
0.3017

■ 44.4563, 0.2056,
0.2425

■ 81.6959, 0.2819,
0.3117

■ 40.5079, 0.1988,
0.2300

■ 90.5373, 0.2975,
0.3209

■ 37.0387, 0.1939,
0.2178

100.0000, 0.3127,
0.3290

■ 36.9670, 0.1938,
0.2176

Harmonies

Analogous

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



59.9023, 0.2414, 0.3102



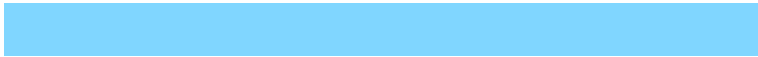
59.9023, 0.2379, 0.2794



59.9023, 0.2526, 0.2641

Triad

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



59.9023, 0.2379, 0.2794



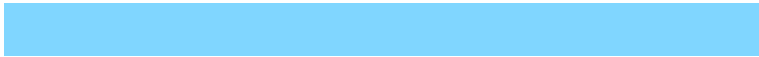
59.9023, 0.3634, 0.3073



59.9023, 0.3388, 0.4025

Complementary

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



59.9023, 0.2379, 0.2794



51.2168, 0.4308, 0.3718

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.



59.9023, 0.3740, 0.3960



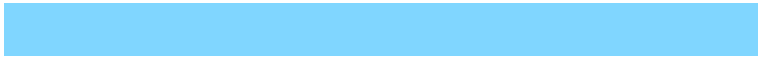
59.9023, 0.2379, 0.2794



59.9023, 0.3896, 0.3398

Square

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



59.9023, 0.2379, 0.2794



59.9023, 0.3236, 0.2806



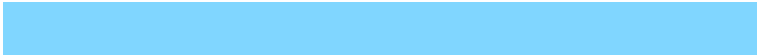
59.9023, 0.3932, 0.3721



59.9023, 0.2981, 0.3856

Rectangle

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



59.9023, 0.2379, 0.2794



59.9023, 0.2714, 0.2630



59.9023, 0.3932, 0.3721



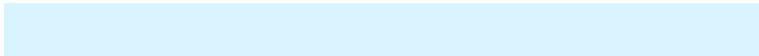
59.9023, 0.3517, 0.4028

Sweetspot

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



59.9039, 0.2379, 0.2794



85.8224, 0.2894, 0.3162



78.9498, 0.2869, 0.4377



17.9754, 0.2861, 0.3143



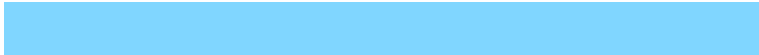
0.0000, 0.0000, 0.0000



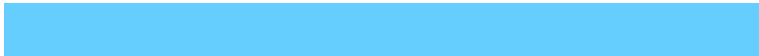
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9039, 0.2379, 0.2794



53.9856, 0.2251, 0.2671



34.0513, 0.2223, 0.1988



19.4341, 0.2980, 0.3211



19.5987, 0.1943, 0.2196



2.1066, 0.1982, 0.2335

Inverse Universe

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



41.5666, 0.3571, 0.2430



35.1986, 0.3702, 0.2283



80.3790, 0.3967, 0.4313



18.1947, 0.3188, 0.3130



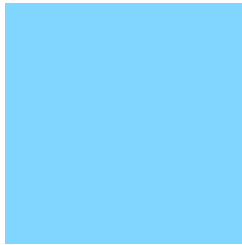
12.7065, 0.4237, 0.2108



1.2572, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 59.9023, 0.2379, 0.2794 looks on a white background.

Color Contrast Check

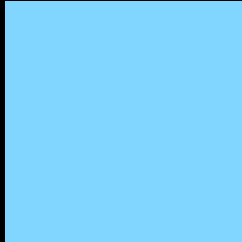
Large Text (above 18pt) WCAG AA × Fail

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 59.9023, 0.2379, 0.2794 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

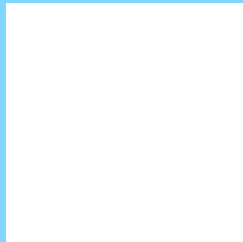
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.9023, 0.2379, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 59.9023, 0.2379, 0.2794.



This preview shows how white text looks on a background with the Yxy color 59.9023, 0.2379, 0.2794.

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

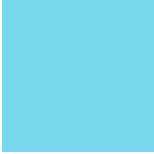
59.9023, 0.2379, 0.2794

Protanopia

59.1076, 0.2768, 0.2779

Deuteranopia

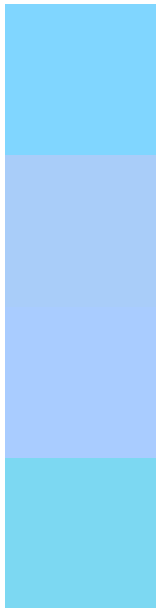
59.4043, 0.2714, 0.2667



Tritanopia

59.6888, 0.2446, 0.3061

Trichromacy



Original Color

59.9023, 0.2379, 0.2794

Protanomaly

58.9372, 0.2604, 0.2776

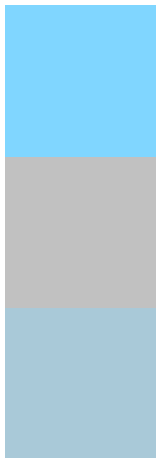
Deuteranomaly

58.8407, 0.2571, 0.2701

Tritanomaly

59.8076, 0.2424, 0.2966

Monochromacy



Original Color

59.9023, 0.2379, 0.2794

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.1662, 0.2792, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9023, 0.2379, 0.2794 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(128, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.9023, 0.2379, 0.2794 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(128, 214, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9023, 0.2379, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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