

Converting Colors

$Yxy(60.6281, 0.2401, 0.2806)$

Have a look what the booklet for
Yxy(60.6281, 0.2401, 0.2806)
contains.

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Color

Yxy(60.8074, 0.2404, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	85D7FF
RGB	133, 215, 255
RGB Percent	52%, 84%, 100%
CMY	0.4783, 0.1568, 0.0002
CMYK	0.48, 0.16, 0.00, 0.00
HSL	200°, 100%, 76%
HSV	200°, 48%, 100%
XYZ	52.0217, 60.8074, 103.5673
YIQ	195.0420, -61.7120, -4.9440

Conversions

Conversions Part 2

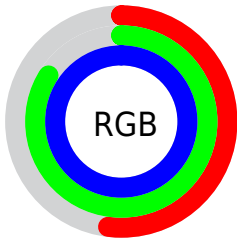
Format	Color
RYB	133, 182, 255
Decimal	8771583
CIELab	82.28, -14.60, -27.25
CIELCh	82, 30.918, 241.813
Yxy	60.8074, 0.2404, 0.2810
Android (android.graphics.Color)	4286961663 (0xFF85D7FF)
YUV	195.0420, 29.5593, -54.4108
Hunter-Lab	77.9791, -17.3818, -24.1602

Details

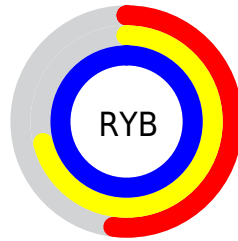
The Yxy color **60.8074, 0.2404, 0.2810** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.8316, 0.4240, 0.3709**, and the grayscale version is **54.4529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **30.6353, 0.2235, 0.2684** is the 20% darker color. If you saturate the color by 10%, you get **54.8322, 0.2275, 0.2689**, and if you desaturate by 10%, it is **67.5081, 0.2545, 0.2926**.

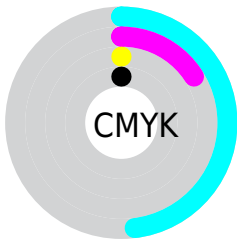
Distribution



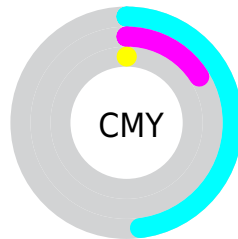
- Red (52%)
- Green (84%)
- Blue (100%)



- Red (52%)
- Yellow (71%)
- Blue (100%)



- Cyan (48%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8074, 0.2404, 0.2810 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 60.8074, 0.2404, 0.2810 by changing the saturation by 10% instead.

 60.8074, 0.2404,
0.2810

 60.8074, 0.2404,
0.2810


427.5675, 0.2738,
0.3042

 44.0698, 0.2328,
0.2755

 106.0000, 0.2520,
0.2892

 30.7253, 0.2236,
0.2686


 135.2238, 0.2565,
0.2924

 20.3898, 0.2119,
0.2598


 169.3784, 0.2604,
0.2951

 12.6787, 0.1970,
0.2481

208.8482, 0.2637,
0.2974

 7.2077, 0.1772,
0.2320

254.0176, 0.2667,
0.2995

 3.5923, 0.1502,
0.2087

305.2710, 0.2694,

 1.4482, 0.1122,

0.3012

0.1732

362.9928, 0.2717,
0.3028

■ 0.2519, 0.0000,
0.0836

■ 0.0000, 0.0000,
0.0000

■ 60.8074, 0.2404,
0.2810

■ 60.8074, 0.2404,
0.2810

■ 54.8322, 0.2275,
0.2689

■ 67.5081, 0.2545,
0.2926

■ 49.5353, 0.2162,
0.2563

■ 74.9640, 0.2695,
0.3034

■ 44.8737, 0.2069,
0.2436

■ 83.2109, 0.2850,
0.3134

■ 40.7943, 0.1996,
0.2310

■ 92.2800, 0.3006,
0.3225

■ 37.2272, 0.1943,
0.2185

99.9974, 0.3127,
0.3290

■ 36.4962, 0.1933,
0.2159

Harmonies

Analogous

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



60.8074, 0.2437, 0.3107



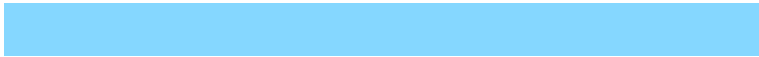
60.8074, 0.2404, 0.2810



60.8074, 0.2548, 0.2662

Triad

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



60.8074, 0.2404, 0.2810



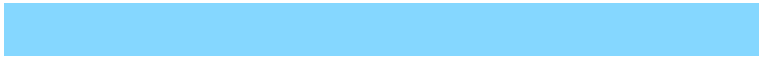
60.8074, 0.3619, 0.3083



60.8074, 0.3377, 0.3997

Complementary

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



60.8074, 0.2404, 0.2810



52.8316, 0.4240, 0.3709

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.



60.8074, 0.3718, 0.3938



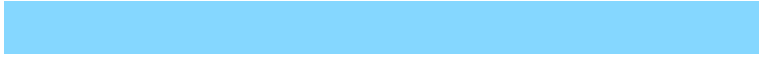
60.8074, 0.2404, 0.2810



60.8074, 0.3869, 0.3399

Square

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



60.8074, 0.2404, 0.2810



60.8074, 0.3236, 0.2824



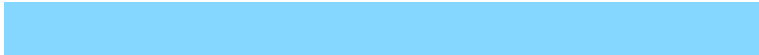
60.8074, 0.3903, 0.3710



60.8074, 0.2984, 0.3832

Rectangle

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



60.8074, 0.2404, 0.2810



60.8074, 0.2731, 0.2652



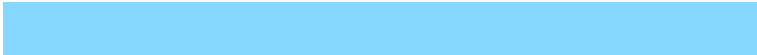
60.8074, 0.3903, 0.3710



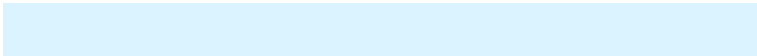
60.8074, 0.3502, 0.4001

Sweetspot

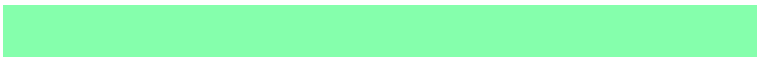
The Sweet Spot groups the original color and five complimentary colors.



60.8097, 0.2404, 0.2810



86.6078, 0.2909, 0.3170



79.4486, 0.2877, 0.4325



18.1274, 0.2876, 0.3150



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.



60.8097, 0.2404, 0.2810



55.3159, 0.2285, 0.2699



35.7799, 0.2262, 0.2048



19.4191, 0.2980, 0.3210



19.3611, 0.1939, 0.2179



2.0848, 0.1978, 0.2321

Inverse Universe

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



42.9443, 0.3554, 0.2466



36.8594, 0.3670, 0.2329



81.0023, 0.3933, 0.4277



18.1932, 0.3189, 0.3131



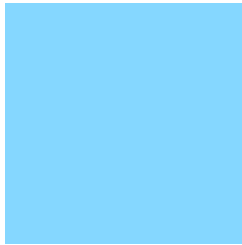
12.6825, 0.4255, 0.2118



1.2550, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 60.8074, 0.2404, 0.2810 looks on a white background.

Color Contrast Check

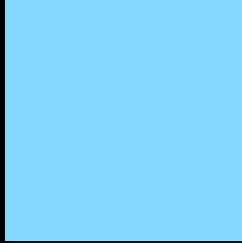
Large Text (above 18pt) WCAG AA × Fail

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 60.8074, 0.2404, 0.2810 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

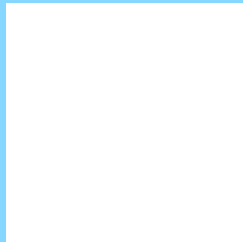
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.8074, 0.2404, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 60.8074, 0.2404, 0.2810.

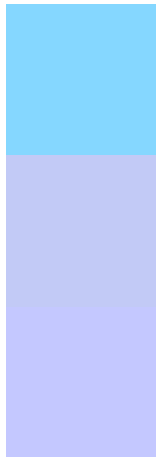


This preview shows how white text looks on a background with the Yxy color 60.8074, 0.2404, 0.2810.

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

60.8074, 0.2404, 0.2810

Protanopia

60.3642, 0.2777, 0.2794

Deuteranopia

60.2643, 0.2735, 0.2682



Tritanopia

60.7110, 0.2471, 0.3064

Trichromacy



Original Color

60.8074, 0.2404, 0.2810

Protanomaly

60.2359, 0.2625, 0.2803

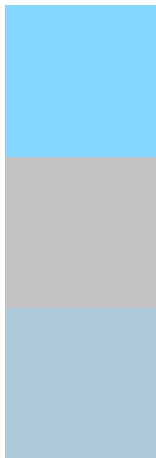
Deuteranomaly

59.7669, 0.2596, 0.2716

Tritanomaly

60.7639, 0.2445, 0.2969

Monochromacy



Original Color

60.8074, 0.2404, 0.2810

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

56.0215, 0.2807, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8074, 0.2404, 0.2810 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(133, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 215, 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(133, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.8074, 0.2404, 0.2810 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(133, 215, 255) }
```

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

```
.border{ border-color:rgb(133, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8074, 0.2404, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 215, 255) }
```

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

```
.background{ background-color: rgb(133,  
215, 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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