

Converting Colors

$Yxy(60.8422, 0.2382, 0.2818)$

Have a look what the booklet for
Yxy(60.8422, 0.2382, 0.2818)
contains.

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Color

Yxy(60.9209, 0.2384, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	80D8FF
RGB	128, 216, 255
RGB Percent	50%, 85%, 100%
CMY	0.4977, 0.1530, 0.0000
CMYK	0.50, 0.15, 0.00, 0.00
HSL	198°, 100%, 75%
HSV	198°, 50%, 100%
XYZ	51.5202, 60.9209, 103.6671
YIQ	194.1340, -64.9670, -6.5270

Conversions

Conversions Part 2

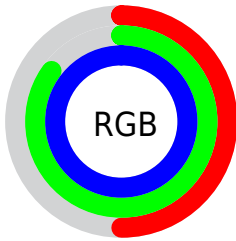
Format	Color
R_{YB}	128, 180, 255
Decimal	8444159
CIE _{Lab}	82.34, -16.19, -27.21
CIE _{LCh}	82, 31.659, 239.253
Yxy	60.9209, 0.2384, 0.2819
Android (android.graphics.Color)	4286634239 (0xFF80D8FF)
YUV	194.1340, 30.0069, -57.9995
Hunter-Lab	78.0518, -18.7671, -24.1117

Details

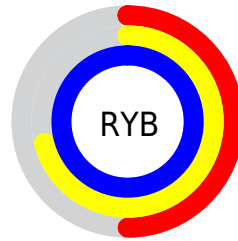
The Yxy color **60.9209, 0.2384, 0.2819** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.4974, 0.4319, 0.3698**, and the grayscale version is **53.8925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **30.7252, 0.2210, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **55.2639, 0.2261, 0.2705**, and if you desaturate by 10%, it is **67.2684, 0.2521, 0.2928**.

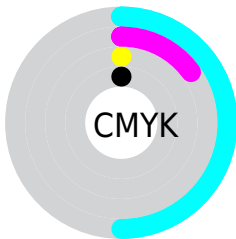
Distribution



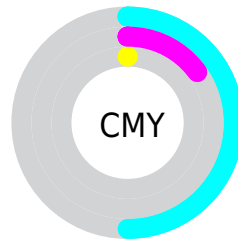
- Red (50%)
- Green (85%)
- Blue (100%)



- Red (50%)
- Yellow (71%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9209, 0.2384, 0.2819 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 60.9209, 0.2384, 0.2819 by changing the saturation by 10% instead.


 60.9209, 0.2384,
0.2819


 60.9209, 0.2384,
0.2819


427.9839, 0.2727,
0.3048


 44.1613, 0.2307,
0.2765


 106.1644, 0.2502,
0.2900

 30.7974, 0.2212,
0.2696


 135.4171, 0.2549,
0.2931

 20.4446, 0.2093,
0.2609


 169.6030, 0.2589,
0.2958

 12.7186, 0.1941,
0.2493

209.1065, 0.2623,
0.2981

 7.2351, 0.1739,
0.2333

254.3119, 0.2654,
0.3001

 3.6096, 0.1465,
0.2101

305.6037, 0.2681,

 1.4576, 0.1083,

0.3018

0.1745

363.3662, 0.2705,
0.3034

0.2586, 0.0000,
0.0854

0.0000, 0.0000,
0.0000

60.9209, 0.2384,
0.2819

60.9209, 0.2384,
0.2819

55.2639, 0.2261,
0.2705

67.2684, 0.2521,
0.2928

50.2538, 0.2155,
0.2588

74.3401, 0.2667,
0.3031

45.8457, 0.2068,
0.2469

82.1703, 0.2820,
0.3126

41.9849, 0.2002,
0.2351

90.7904, 0.2976,
0.3213

■ 38.5863, 0.1955,
0.2236

100.0000, 0.3127,
0.3290

■ 38.5105, 0.1954,
0.2233

Harmonies

Analogous

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



60.9209, 0.2433, 0.3133



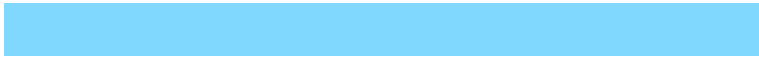
60.9209, 0.2384, 0.2819



60.9209, 0.2516, 0.2654

Triad

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



60.9209, 0.2384, 0.2819



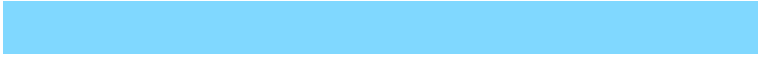
60.9209, 0.3601, 0.3052



60.9209, 0.3416, 0.4018

Complementary

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



60.9209, 0.2384, 0.2819



50.4974, 0.4319, 0.3698

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.



60.9209, 0.3754, 0.3939



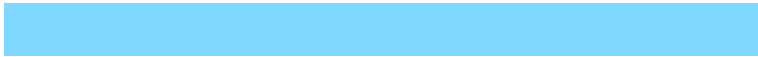
60.9209, 0.2384, 0.2819



60.9209, 0.3873, 0.3372

Square

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



60.9209, 0.2384, 0.2819



60.9209, 0.3203, 0.2796



60.9209, 0.3928, 0.3693



60.9209, 0.3014, 0.3869

Rectangle

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



60.9209, 0.2384, 0.2819



60.9209, 0.2694, 0.2635



60.9209, 0.3928, 0.3693



60.9209, 0.3541, 0.4015

Sweetspot

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



60.9219, 0.2384, 0.2819



86.1793, 0.2894, 0.3169



78.8757, 0.2879, 0.4404



18.0617, 0.2861, 0.3150



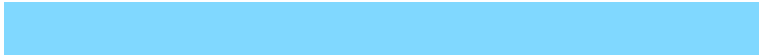
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



60.9219, 0.2384, 0.2819



55.1400, 0.2258, 0.2702



34.7548, 0.2228, 0.2015



19.4837, 0.2980, 0.3215



20.3995, 0.1959, 0.2252



2.1801, 0.1996, 0.2385

Inverse Universe

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



41.6801, 0.3551, 0.2412



35.3151, 0.3675, 0.2262



79.2027, 0.3977, 0.4295



18.1997, 0.3185, 0.3127



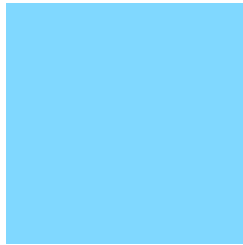
12.7873, 0.4177, 0.2075



1.2646, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 60.9209, 0.2384, 0.2819 looks on a white background.

Color Contrast Check

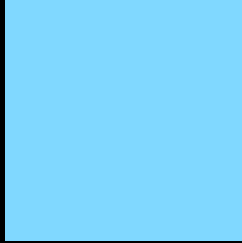
Large Text (above 18pt) WCAG AA × Fail

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 60.9209, 0.2384, 0.2819 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

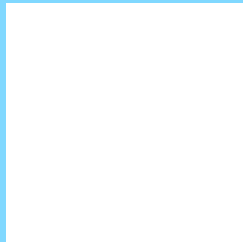
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.9209, 0.2384, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 60.9209, 0.2384, 0.2819.

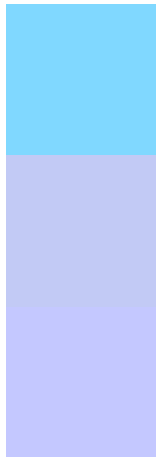


This preview shows how white text looks on a background with the Yxy color 60.9209, 0.2384, 0.2819.

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

60.9209, 0.2384, 0.2819

Protanopia

60.3030, 0.2783, 0.2804

Deuteranopia

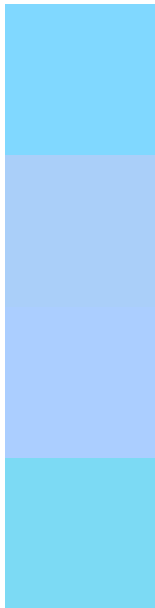
60.2643, 0.2735, 0.2682



Tritanopia

60.9150, 0.2446, 0.3063

Trichromacy



Original Color

60.9209, 0.2384, 0.2819

Protanomaly

60.0112, 0.2613, 0.2801

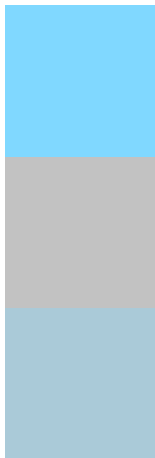
Deuteranomaly

60.0205, 0.2586, 0.2727

Tritanomaly

60.9595, 0.2420, 0.2968

Monochromacy



Original Color

60.9209, 0.2384, 0.2819

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.7450, 0.2800, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9209, 0.2384, 0.2819 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.9209, 0.2384, 0.2819 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, 216, 255) }
```

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

```
.border{ border-color:rgb(128, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9209, 0.2384, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 255) }
```

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

```
.background{ background-color: rgb(128,  
216, 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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