

Converting Colors

$Yxy(61.2805, 0.2384, 0.2829)$

Have a look what the booklet for
Yxy(61.2805, 0.2384, 0.2829)
contains.

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Color

Yxy(61.4349, 0.2386, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	80D9FF
RGB	128, 217, 255
RGB Percent	50%, 85%, 100%
CMY	0.4982, 0.1490, 0.0000
CMYK	0.50, 0.15, 0.00, 0.00
HSL	198°, 100%, 75%
HSV	198°, 50%, 100%
XYZ	51.7598, 61.4349, 103.7365
YIQ	194.7210, -65.2420, -7.0500

Conversions

Conversions Part 2

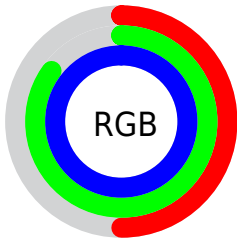
Format	Color
R _Y B	128, 180, 255
Decimal	8444415
CIE Lab	82.61, -16.74, -26.78
CIE LCh	83, 31.581, 237.983
Yxy	61.4349, 0.2386, 0.2832
Android (android.graphics.Color)	4286634495 (0xFF80D9FF)
YUV	194.7210, 29.7175, -58.5143
Hunter-Lab	78.3804, -19.2904, -23.6040

Details

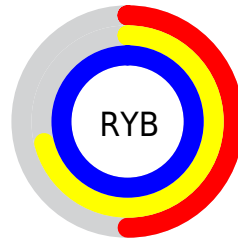
The Yxy color **61.4349, 0.2386, 0.2832** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.0720, 0.4327, 0.3687**, and the grayscale version is **54.2437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **31.0761, 0.2214, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **55.8618, 0.2264, 0.2721**, and if you desaturate by 10%, it is **67.6910, 0.2522, 0.2938**.

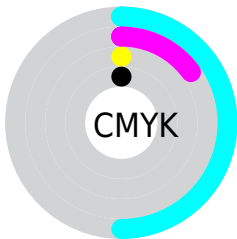
Distribution



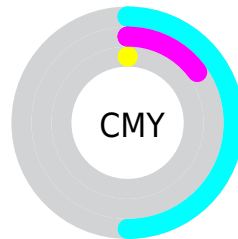
- Red (50%)
- Green (85%)
- Blue (100%)



- 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 61.4349, 0.2386, 0.2832 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 61.4349, 0.2386, 0.2832 by changing the saturation by 10% instead.


 61.4349, 0.2386,
0.2832


 61.4349, 0.2386,
0.2832


429.8668, 0.2728,
0.3055


 44.5762, 0.2309,
0.2779


 106.9084, 0.2504,
0.2911

 31.1238, 0.2215,
0.2713


 136.2920, 0.2550,
0.2941

 20.6931, 0.2097,
0.2627


 170.6194, 0.2590,
0.2967

 12.8999, 0.1945,
0.2514

210.2750, 0.2624,
0.2990

 7.3596, 0.1745,
0.2358

255.6431, 0.2655,
0.3009

 3.6880, 0.1473,
0.2131

307.1082, 0.2682,

 1.5006, 0.1093,

0.3026

0.1782

365.0546, 0.2706,
0.3041

■ 0.2892, 0.0000,
0.0943

■ 0.0000, 0.0000,
0.0000

■ 61.4349, 0.2386,
0.2832

■ 61.4349, 0.2386,
0.2832

■ 55.8618, 0.2264,
0.2721

■ 67.6910, 0.2522,
0.2938

■ 50.9244, 0.2159,
0.2607

■ 74.6595, 0.2667,
0.3038

■ 46.5790, 0.2074,
0.2492

■ 82.3762, 0.2820,
0.3130

■ 42.7715, 0.2009,
0.2378

■ 90.8718, 0.2975,
0.3215

■ 39.4162, 0.1963,
0.2266

100.0000, 0.3127,
0.3290

■ 39.3580, 0.1962,
0.2263

Harmonies

Analogous

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



61.4349, 0.2443, 0.3150



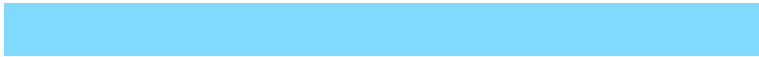
61.4349, 0.2386, 0.2832



61.4349, 0.2510, 0.2661

Triad

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



61.4349, 0.2386, 0.2832



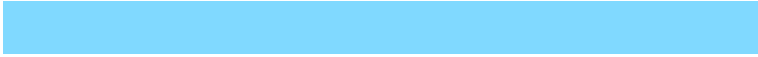
61.4349, 0.3583, 0.3041



61.4349, 0.3431, 0.4015

Complementary

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



61.4349, 0.2386, 0.2832



50.0720, 0.4327, 0.3687

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.



61.4349, 0.3763, 0.3928



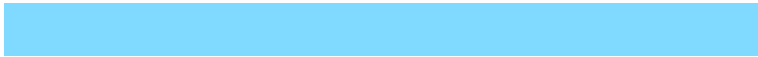
61.4349, 0.2386, 0.2832



61.4349, 0.3862, 0.3358

Square

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



61.4349, 0.2386, 0.2832



61.4349, 0.3185, 0.2789



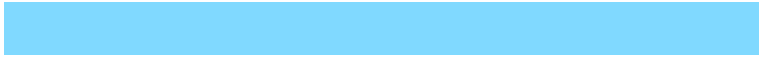
61.4349, 0.3926, 0.3679



61.4349, 0.3031, 0.3876

Rectangle

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



61.4349, 0.2386, 0.2832



61.4349, 0.2683, 0.2638



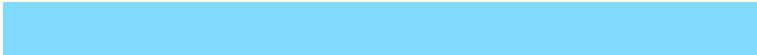
61.4349, 0.3926, 0.3679



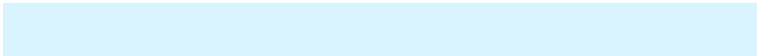
61.4349, 0.3554, 0.4009

Sweetspot

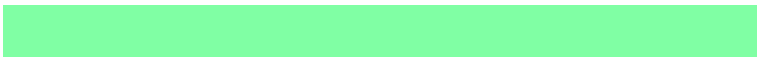
The Sweet Spot groups the original color and five complimentary colors.



61.4372, 0.2386, 0.2832



86.3714, 0.2894, 0.3172



78.7848, 0.2889, 0.4433



18.1081, 0.2861, 0.3154



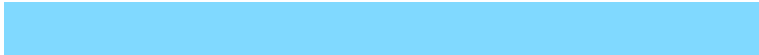
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



61.4372, 0.2386, 0.2832



55.7670, 0.2262, 0.2719



35.4111, 0.2233, 0.2040



19.5103, 0.2980, 0.3217



20.8391, 0.1967, 0.2282



2.2202, 0.2003, 0.2411

Inverse Universe

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



41.6985, 0.3541, 0.2401



35.3784, 0.3660, 0.2251



78.0157, 0.3988, 0.4278



18.2024, 0.3184, 0.3125



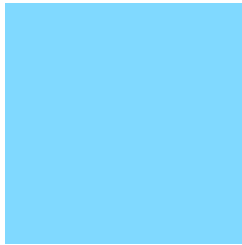
12.8317, 0.4145, 0.2057



1.2687, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 61.4349, 0.2386, 0.2832 looks on a white background.

Color Contrast Check

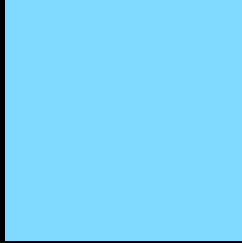
Large Text (above 18pt) WCAG AA × Fail

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 61.4349, 0.2386, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

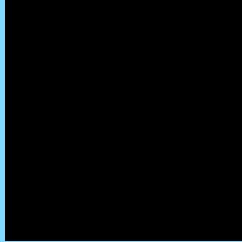
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.4349, 0.2386, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 61.4349, 0.2386, 0.2832.



This preview shows how white text looks on a background with the Yxy color 61.4349, 0.2386, 0.2832.

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

61.4349, 0.2386, 0.2832

Protanopia

61.0402, 0.2798, 0.2818

Deuteranopia

60.8636, 0.2743, 0.2694



Tritanopia

61.4970, 0.2444, 0.3064

Trichromacy



Original Color

61.4349, 0.2386, 0.2832

Protanomaly

60.6092, 0.2621, 0.2814

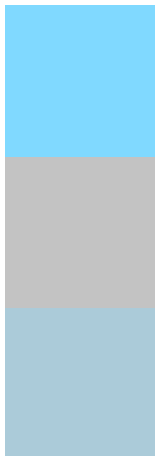
Deuteranomaly

60.6163, 0.2593, 0.2739

Tritanomaly

61.4798, 0.2423, 0.2980

Monochromacy



Original Color

61.4349, 0.2386, 0.2832

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

56.3796, 0.2801, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4349, 0.2386, 0.2832 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.4349, 0.2386, 0.2832 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, 217, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4349, 0.2386, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 255) }
```

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

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