

Converting Colors

$Yxy(64.6137, 0.2399, 0.2908)$

Have a look what the booklet for
Yxy(64.6137, 0.2399, 0.2908)
contains.

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Color

Yxy(64.5845, 0.2401, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	80DFFF
RGB	128, 223, 255
RGB Percent	50%, 87%, 100%
CMY	0.4978, 0.1255, 0.0001
CMYK	0.50, 0.13, 0.00, 0.00
HSL	195°, 100%, 75%
HSV	195°, 50%, 100%
XYZ	53.3428, 64.5845, 104.2416
YIQ	198.2430, -66.8920, -10.1880

Conversions

Conversions Part 2

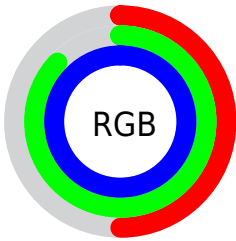
Format	Color
RYB	128, 182, 255
Decimal	8445951
CIELab	84.27, -19.77, -24.24
CIELCh	84, 31.276, 230.804
Yxy	64.5845, 0.2401, 0.2907
Android (android.graphics.Color)	4286636031 (0xFF80DFFF)
YUV	198.2430, 27.9812, -61.6031
Hunter-Lab	80.3645, -22.1566, -20.6506

Details

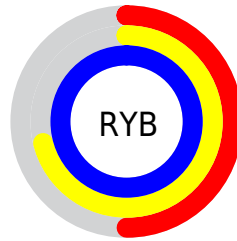
The Yxy color **64.5845, 0.2401, 0.2907** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.9711, 0.4361, 0.3625**, and the grayscale version is **56.4934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **33.2407, 0.2238, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **59.4826, 0.2286, 0.2815**, and if you desaturate by 10%, it is **70.3183, 0.2531, 0.2995**.

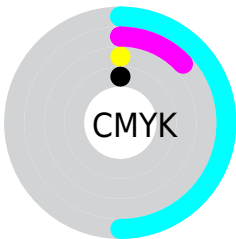
Distribution



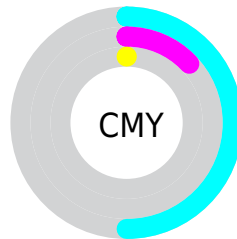
- Red (50%)
- Green (87%)
- Blue (100%)



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



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5845, 0.2401, 0.2907 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 64.5845, 0.2401, 0.2907 by changing the saturation by 10% instead.


 64.5845, 0.2401,
0.2907


 64.5845, 0.2401,
0.2907


441.2973, 0.2733,
0.3094

 47.1242, 0.2327,
0.2862


 111.4523, 0.2515,
0.2974

 33.1339, 0.2236,
0.2806


 141.6286, 0.2560,
0.2999

 22.2290, 0.2122,
0.2734


 176.8124, 0.2599,
0.3021

 14.0253, 0.1977,
0.2637

217.3881, 0.2632,
0.3040

 8.1383, 0.1786,
0.2503

263.7400, 0.2662,
0.3056

 4.1835, 0.1526,
0.2307

316.2526, 0.2689,

 1.7768, 0.1161,

0.3070

0.2000

375.3102, 0.2712,
0.3083

0.4726, 0.0000,
0.1435

0.0000, 0.0000,
0.0000

64.5845, 0.2401,
0.2907

64.5845, 0.2401,
0.2907

59.4826, 0.2286,
0.2815

70.3183, 0.2531,
0.2995

54.9660, 0.2188,
0.2721

76.7121, 0.2673,
0.3078

50.9921, 0.2109,
0.2625

83.8007, 0.2822,
0.3156

47.5080, 0.2051,
0.2530

91.6140, 0.2976,
0.3227

■ 44.4296, 0.2011,
0.2437

99.9985, 0.3127,
0.3290

■ 44.3630, 0.2010,
0.2435

Harmonies

Analogous

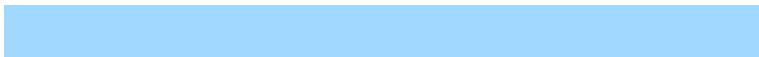
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5845, 0.2499, 0.3244



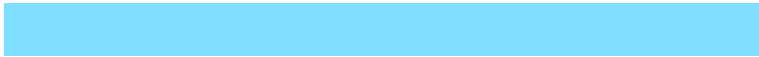
64.5845, 0.2401, 0.2907



64.5845, 0.2480, 0.2702

Triad

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



64.5845, 0.2401, 0.2907



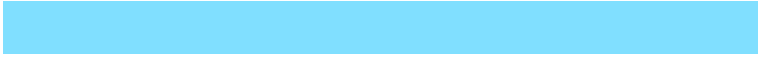
64.5845, 0.3484, 0.2981



64.5845, 0.3511, 0.3994

Complementary

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



64.5845, 0.2401, 0.2907



47.9711, 0.4361, 0.3625

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.



64.5845, 0.3803, 0.3865



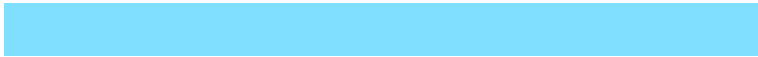
64.5845, 0.2401, 0.2907



64.5845, 0.3794, 0.3280

Square

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



64.5845, 0.2401, 0.2907



64.5845, 0.3087, 0.2758



64.5845, 0.3911, 0.3598



64.5845, 0.3128, 0.3913

Rectangle

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



64.5845, 0.2401, 0.2907



64.5845, 0.2626, 0.2654



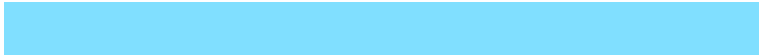
64.5845, 0.3911, 0.3598



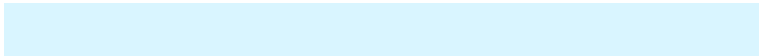
64.5845, 0.3624, 0.3972

Sweetspot

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



64.5869, 0.2401, 0.2907



87.4577, 0.2895, 0.3191



78.6299, 0.2909, 0.4486



18.3712, 0.2863, 0.3175



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.



64.5869, 0.2401, 0.2907



59.3870, 0.2283, 0.2813



36.8813, 0.2244, 0.2096



19.6607, 0.2980, 0.3229



23.4360, 0.2014, 0.2450



2.4557, 0.2044, 0.2557

Inverse Universe

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



42.0375, 0.3480, 0.2349



35.7439, 0.3579, 0.2189



75.7237, 0.4008, 0.4240



18.2176, 0.3177, 0.3114



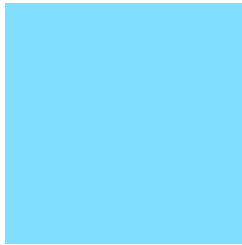
13.0938, 0.3972, 0.1962



1.2925, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 64.5845, 0.2401, 0.2907 looks on a white background.

Color Contrast Check

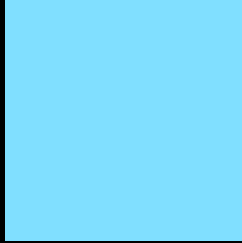
Large Text (above 18pt) WCAG AA × Fail

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 64.5845, 0.2401, 0.2907 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 64.5845, 0.2401, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 64.5845, 0.2401, 0.2907.



This preview shows how white text looks on a background with the Yxy color 64.5845, 0.2401, 0.2907.

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

64.5845, 0.2401, 0.2907

Protanopia

63.7139, 0.2847, 0.2879

Deuteranopia

63.8618, 0.2799, 0.2748



Tritanopia

64.6066, 0.2442, 0.3068

Trichromacy



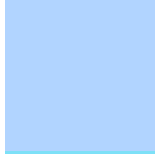
Original Color

64.5845, 0.2401, 0.2907



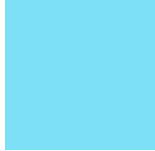
Protanomaly

63.4798, 0.2657, 0.2887



Deuteranomaly

63.6541, 0.2630, 0.2803



Tritanomaly

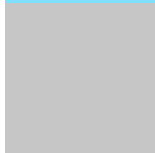
64.3867, 0.2426, 0.3009

Monochromacy



Original Color

64.5845, 0.2401, 0.2907



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.6244, 0.2806, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5845, 0.2401, 0.2907 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5845, 0.2401, 0.2907 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, 223, 255) }
```

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

```
.border{ border-color:rgb(128, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5845, 0.2401, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 223, 255) }
```

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

```
.background{ background-color: rgb(128,  
223, 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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