

Converting Colors

$Y_{xy}(50.4526, 0.2458, 0.2874)$

Have a look what the booklet for
Yxy(50.4526, 0.2458, 0.2874)
contains.

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Color

Yxy(50.6345, 0.2464, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	80C6E5
RGB	128, 198, 229
RGB Percent	50%, 78%, 90%
CMY	0.4978, 0.2236, 0.1019
CMYK	0.44, 0.14, 0.00, 0.10
HSL	198°, 66%, 70%
HSV	198°, 44%, 90%
XYZ	43.2455, 50.6345, 81.6295
YIQ	180.6040, -51.6710, -5.1990

Conversions

Conversions Part 2

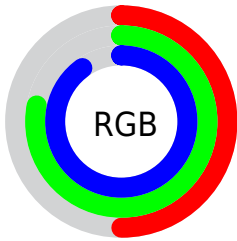
Format	Color
R _Y B	128, 169, 229
Decimal	8439525
CIE Lab	76.46, -13.96, -22.28
CIE LCh	76, 26.289, 237.937
Yxy	50.6345, 0.2464, 0.2885
Android (android.graphics.Color)	4286629605 (0xFF80C6E5)
YUV	180.6040, 23.8592, -46.1337
Hunter-Lab	71.1579, -16.0447, -18.2045

Details

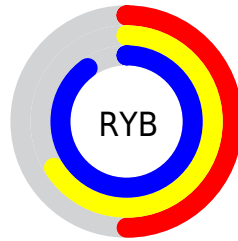
The Yxy color **50.6345, 0.2464, 0.2885** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0401, 0.4126, 0.3652**, and the grayscale version is **45.8806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **24.3032, 0.2297, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **45.9135, 0.2333, 0.2774**, and if you desaturate by 10%, it is **55.9095, 0.2606, 0.2990**.

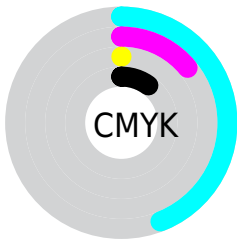
Distribution



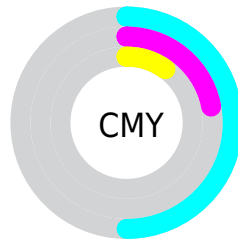
- Red (50%)
- Green (78%)
- Blue (90%)



- Red (50%)
- Yellow (66%)
- Blue (90%)



- Cyan (44%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6345, 0.2464, 0.2885 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 50.6345, 0.2464, 0.2885 by changing the saturation by 10% instead.

■ 50.6345, 0.2464,
0.2885

■ 50.6345, 0.2464,
0.2885

■ 389.1421, 0.2782,
0.3089

■ 35.9178, 0.2389,
0.2834

■ 91.1143, 0.2576,
0.2959

■ 24.3707, 0.2295,
0.2770

■ 117.6461, 0.2619,
0.2987

■ 15.6089, 0.2175,
0.2685

■ 148.8852, 0.2656,
0.3010

■ 9.2478, 0.2017,
0.2569

■ 185.2158, 0.2688,
0.3030

■ 4.9032, 0.1799,
0.2401

■ 227.0225, 0.2716,
0.3048

■ 2.1906, 0.1485,
0.2142

■ 274.6894, 0.2741,

■ 0.7148, 0.0818,

0.3063

0.1726

328.6012, 0.2763,
0.3077

0.0000, 0.0000,
0.0000

50.6345, 0.2464,
0.2885

50.6345, 0.2464,
0.2885

45.9135, 0.2333,
0.2774

55.9095, 0.2606,
0.2990

41.7116, 0.2217,
0.2660

61.7595, 0.2756,
0.3087

37.9977, 0.2119,
0.2542

68.2111, 0.2910,
0.3177

34.7344, 0.2041,
0.2424

75.2873, 0.3064,
0.3259

31.8762, 0.1983,
0.2308

83.0097, 0.3217,
0.3333

■ 30.3346, 0.1956,
0.2240

■ 89.3608, 0.3296,
0.3401

■ 93.5888, 0.3288,
0.3468

■ 97.9793, 0.3280,
0.3535

■ 98.4377, 0.3280,
0.3542

Harmonies

Analogous

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



50.6345, 0.2516, 0.3170



50.6345, 0.2464, 0.2885



50.6345, 0.2575, 0.2729

Triad

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



50.6345, 0.2464, 0.2885



50.6345, 0.3532, 0.3068



50.6345, 0.3400, 0.3931

Complementary

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



50.6345, 0.2464, 0.2885



43.0401, 0.4126, 0.3652

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.



50.6345, 0.3694, 0.3859



50.6345, 0.2464, 0.2885



50.6345, 0.3778, 0.3353

Square

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



50.6345, 0.2464, 0.2885



50.6345, 0.3179, 0.2841



50.6345, 0.3836, 0.3640



50.6345, 0.3045, 0.3807

Rectangle

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



50.6345, 0.2464, 0.2885



50.6345, 0.2732, 0.2706



50.6345, 0.3836, 0.3640



50.6345, 0.3510, 0.3927

Sweetspot

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



50.6364, 0.2464, 0.2885



87.9191, 0.2925, 0.3186



63.1180, 0.2901, 0.4246



18.4087, 0.2891, 0.3167



0.0000, 0.0000, 0.0000



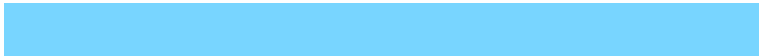
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6364, 0.2464, 0.2885



59.0319, 0.2343, 0.2783



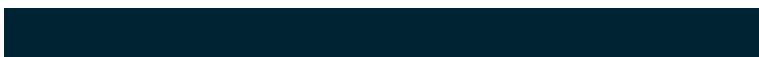
31.5079, 0.2345, 0.2194



15.5499, 0.2981, 0.3216



17.5647, 0.1961, 0.2258



1.4607, 0.2008, 0.2427

Inverse Universe

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



36.1890, 0.3484, 0.2510



39.4853, 0.3589, 0.2361



63.7318, 0.3871, 0.4184



14.5359, 0.3185, 0.3129



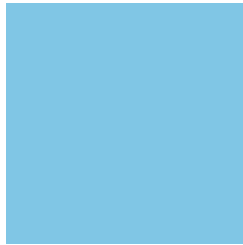
10.9709, 0.4170, 0.2071



0.8271, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 50.6345, 0.2464, 0.2885 looks on a white background.

Color Contrast Check

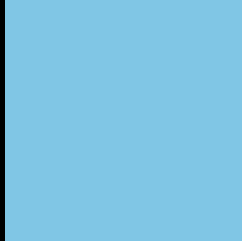
Large Text (above 18pt) WCAG AA × Fail

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 50.6345, 0.2464, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

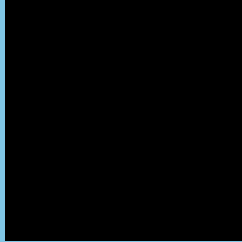
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6345, 0.2464, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 50.6345, 0.2464, 0.2885.



This preview shows how white text looks on a background with the Yxy color 50.6345, 0.2464, 0.2885.

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

50.6345, 0.2464, 0.2885

Protanopia

50.1620, 0.2833, 0.2862

Deuteranopia

50.2975, 0.2781, 0.2717



Tritanopia

50.5515, 0.2515, 0.3074

Trichromacy



Original Color

50.6345, 0.2464, 0.2885

Protanomaly

49.8901, 0.2683, 0.2862

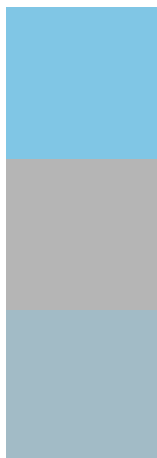
Deuteranomaly

50.0572, 0.2652, 0.2770

Tritanomaly

50.4273, 0.2492, 0.2996

Monochromacy



Original Color

50.6345, 0.2464, 0.2885

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2992, 0.2849, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6345, 0.2464, 0.2885 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, 198, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 229)  
}
```

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, 198, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 229) }
```

Border

The CSS property to change the border of an element to Yxy 50.6345, 0.2464, 0.2885 is called "border". The border property can be set on classes, ids or directly on the HTML element.

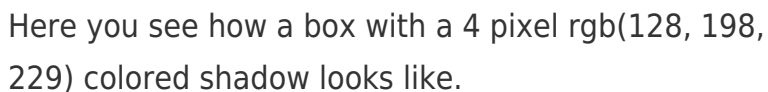
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 198, 229) }
```

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

```
.border{ border-color:rgb(128, 198, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 198, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 198, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 198, 229); box-shadow:4px 4px 4px 4px rgb(128, 198, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6345, 0.2464, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 229) }
```

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

```
.background{ background-color: rgb(128,  
198, 229) }
```

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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