

Converting Colors

$Y_{xy}(46.3886, 0.2370, 0.2686)$

Have a look what the booklet for
Yxy(46.3886, 0.2370, 0.2686)
contains.

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Color

Yxy(46.3864, 0.2370, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	78BDEB
RGB	120, 189, 235
RGB Percent	47%, 74%, 92%
CMY	0.5297, 0.2588, 0.0785
CMYK	0.49, 0.20, 0.00, 0.08
HSL	204°, 74%, 70%
HSV	204°, 49%, 92%
XYZ	40.9292, 46.3864, 85.3814
YIQ	173.6130, -55.8900, -0.3220

Conversions

Conversions Part 2

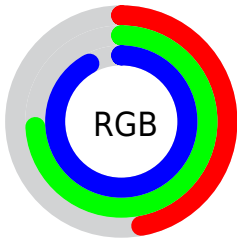
Format	Color
RYB	120, 163, 235
Decimal	7912939
CIELab	73.80, -9.48, -29.61
CIELCh	74, 31.089, 252.253
Yxy	46.3864, 0.2370, 0.2686
Android (android.graphics.Color)	4286103019 (0xFF78BDEB)
YUV	173.6130, 30.2638, -47.0186
Hunter-Lab	68.1076, -11.9188, -26.6522

Details

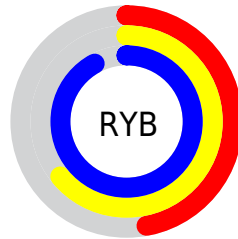
The Yxy color **46.3864, 0.2370, 0.2686** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.2495, 0.4220, 0.3807**, and the grayscale version is **41.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9898, 0.2678, 0.3180**, and **21.8551, 0.2179, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **41.0006, 0.2233, 0.2535**, and if you desaturate by 10%, it is **52.4493, 0.2518, 0.2829**.

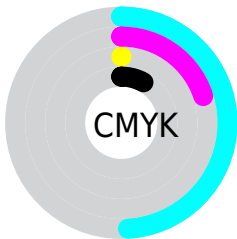
Distribution



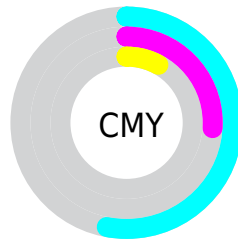
- Red (47%)
- Green (74%)
- Blue (92%)



- Red (47%)
- Yellow (64%)
- Blue (92%)



- Cyan (49%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (53%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3864, 0.2370, 0.2686 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 46.3864, 0.2370, 0.2686 by changing the saturation by 10% instead.

■ 46.3864, 0.2370,
0.2686

■ 46.3864, 0.2370,
0.2686

■ 372.3599, 0.2736,
0.2987

■ 32.5508, 0.2283,
0.2612

■ 84.7970, 0.2500,
0.2795

■ 21.7826, 0.2175,
0.2519

■ 110.1408, 0.2550,
0.2836

■ 13.6972, 0.2036,
0.2397

■ 140.0895, 0.2592,
0.2870

■ 7.9104, 0.1853,
0.2233

■ 175.0275, 0.2629,
0.2900

■ 4.0377, 0.1604,
0.2002

■ 215.3391, 0.2661,
0.2926

■ 1.6947, 0.1254,
0.1661

■ 261.4088, 0.2689,

■ 0.4202, 0.0409,

0.2949

0.1022

313.6209, 0.2714,
0.2969

0.0000, 0.0000,
0.0000

46.3864, 0.2370,
0.2686

46.3864, 0.2370,
0.2686

41.0006, 0.2233,
0.2535

52.4493, 0.2518,
0.2829

36.2510, 0.2111,
0.2380

59.2164, 0.2673,
0.2963

32.0993, 0.2009,
0.2224

66.7193, 0.2831,
0.3087

28.4990, 0.1928,
0.2069

74.9858, 0.2989,
0.3199

25.3816, 0.1868,
0.1919

84.0422, 0.3143,
0.3300

■ 25.0771, 0.1862,
0.1903

■ 92.7726, 0.3253,
0.3391

■ 98.6089, 0.3244,
0.3481

■ 98.7773, 0.3244,
0.3483

Harmonies

Analogous

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



46.3864, 0.2338, 0.2956



46.3864, 0.2370, 0.2686



46.3864, 0.2588, 0.2588

Triad

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



46.3864, 0.2370, 0.2686



46.3864, 0.3788, 0.3177



46.3864, 0.3249, 0.4038

Complementary

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



46.3864, 0.2370, 0.2686



46.2495, 0.4220, 0.3807

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.



46.3864, 0.3657, 0.4052



46.3864, 0.2370, 0.2686



46.3864, 0.3987, 0.3527

Square

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



46.3864, 0.2370, 0.2686



46.3864, 0.3400, 0.2868



46.3864, 0.3934, 0.3849



46.3864, 0.2825, 0.3774

Rectangle

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



46.3864, 0.2370, 0.2686



46.3864, 0.2821, 0.2617



46.3864, 0.3934, 0.3849



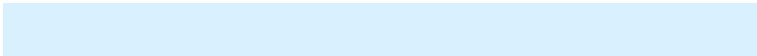
46.3864, 0.3393, 0.4071

Sweetspot

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



46.3881, 0.2370, 0.2686



84.0877, 0.2893, 0.3132



66.0778, 0.2834, 0.4242



17.5564, 0.2859, 0.3107



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.



46.3881, 0.2370, 0.2686



49.1774, 0.2229, 0.2531



26.8575, 0.2224, 0.1916



16.0535, 0.2981, 0.3194



14.2149, 0.1869, 0.1927



1.3035, 0.1927, 0.2136

Inverse Universe

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



34.7508, 0.3657, 0.2534



35.2069, 0.3823, 0.2400



71.0242, 0.3910, 0.4363



15.2059, 0.3199, 0.3149



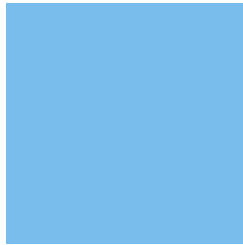
10.9278, 0.4536, 0.2272



0.8770, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 46.3864, 0.2370, 0.2686 looks on a white background.

Color Contrast Check

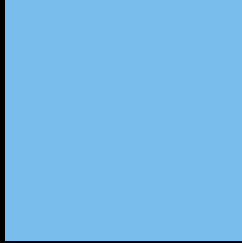
Large Text (above 18pt) WCAG AA × Fail

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 46.3864, 0.2370, 0.2686 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

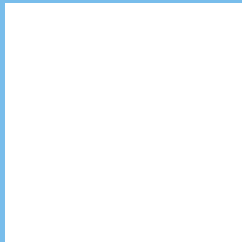
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3864, 0.2370, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 46.3864, 0.2370, 0.2686.

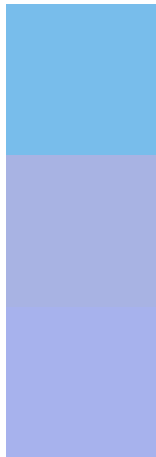


This preview shows how white text looks on a background with the Yxy color 46.3864, 0.2370, 0.2686.

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

46.3864, 0.2370, 0.2686

Protanopia

46.1111, 0.2692, 0.2690

Deuteranopia

46.1707, 0.2621, 0.2567



Tritanopia

46.6318, 0.2475, 0.3079

Trichromacy



Original Color

46.3864, 0.2370, 0.2686

Protanomaly

46.1595, 0.2563, 0.2690

Deuteranomaly

45.9961, 0.2521, 0.2608

Tritanomaly

46.4061, 0.2438, 0.2933

Monochromacy



Original Color

46.3864, 0.2370, 0.2686

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.0957, 0.2796, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3864, 0.2370, 0.2686 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(120, 189, 235)` looks like.

```
.text, #text, p{  
    color:rgb(120, 189, 235)  
}
```

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(120, 189, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 189, 235) }
```

Border

The CSS property to change the border of an element to Yxy 46.3864, 0.2370, 0.2686 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(120, 189, 235) }
```

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

```
.border{ border-color:rgb(120, 189, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 189, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 189, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 189, 235);  
box-shadow:4px 4px 4px 4px rgb(120, 189,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3864, 0.2370, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 189, 235) }
```

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

```
.background{ background-color: rgb(120,  
189, 235) }
```

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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