

Converting Colors

$Y_{xy}(46.0719, 0.2380, 0.2803)$

Have a look what the booklet for
Yxy(46.0719, 0.2380, 0.2803)
contains.

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Color

Yxy(46.3184, 0.2380, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	71BFE3
RGB	113, 191, 227
RGB Percent	44%, 75%, 89%
CMY	0.5566, 0.2510, 0.1097
CMYK	0.50, 0.16, 0.00, 0.11
HSL	199°, 67%, 67%
HSV	199°, 50%, 89%
XYZ	39.3145, 46.3184, 79.5540
YIQ	171.7820, -58.0440, -5.3400

Conversions

Conversions Part 2

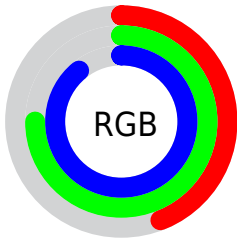
Format	Color
RYB	113, 159, 227
Decimal	7454691
CIELab	73.75, -14.32, -25.39
CIElCh	74, 29.150, 240.579
Yxy	46.3184, 0.2380, 0.2804
Android (android.graphics.Color)	4285644771 (0xFF71BFE3)
YUV	171.7820, 27.2225, -51.5518
Hunter-Lab	68.0576, -15.9877, -21.6650

Details

The Yxy color **46.3184, 0.2380, 0.2804** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.0550, 0.4316, 0.3710**, and the grayscale version is **41.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3995, 0.2646, 0.3201**, and **21.8856, 0.2185, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **41.9425, 0.2257, 0.2687**, and if you desaturate by 10%, it is **51.2278, 0.2517, 0.2916**.

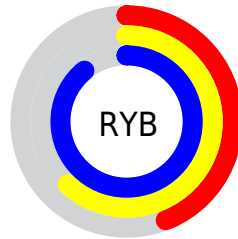
Distribution



Red (44%)

Green (75%)

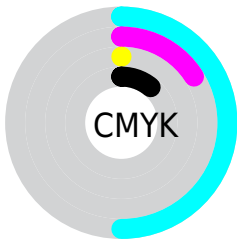
Blue (89%)



Red (44%)

Yellow (62%)

Blue (89%)

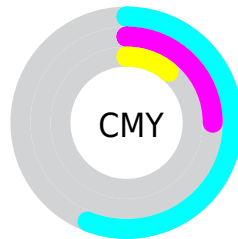


Cyan (50%)

Magenta (16%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (25%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3184, 0.2380, 0.2804 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 46.3184, 0.2380, 0.2804 by changing the saturation by 10% instead.

■ 46.3184, 0.2380,
0.2804

■ 46.3184, 0.2380,
0.2804

■ 372.0872, 0.2742,
0.3051

■ 32.4972, 0.2294,
0.2742

■ 84.6953, 0.2508,
0.2894

■ 21.7415, 0.2186,
0.2663

■ 110.0198, 0.2558,
0.2928

■ 13.6671, 0.2048,
0.2558

■ 139.9474, 0.2600,
0.2956

■ 7.8895, 0.1865,
0.2414

■ 174.8626, 0.2636,
0.2981

■ 4.0243, 0.1613,
0.2205

■ 215.1498, 0.2667,
0.3002

■ 1.6872, 0.1256,
0.1885

■ 261.1934, 0.2695,

■ 0.4153, 0.0136,

0.3020

0.1251

313.3777, 0.2720,
0.3037

■ 0.0000, 0.0000,
0.0000

■ 46.3184, 0.2380,
0.2804

■ 46.3184, 0.2380,
0.2804

■ 41.9425, 0.2257,
0.2687

■ 51.2278, 0.2517,
0.2916

■ 38.0642, 0.2150,
0.2567

■ 56.6934, 0.2663,
0.3021

■ 34.6502, 0.2062,
0.2445


■ 62.7423, 0.2815,
0.3118


■ 31.6594, 0.1995,
0.2325


■ 69.3982, 0.2970,
0.3208


■ 29.0690, 0.1947,
0.2208

■ 76.6833, 0.3124,
0.3289

 84.6185, 0.3276,
0.3361

 89.8582, 0.3307,
0.3430

 94.1975, 0.3299,
0.3499

 98.3271, 0.3291,
0.3562

Harmonies

Analogous

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



46.3184, 0.2421, 0.3115



46.3184, 0.2380, 0.2804



46.3184, 0.2520, 0.2646

Triad

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



46.3184, 0.2380, 0.2804



46.3184, 0.3620, 0.3063



46.3184, 0.3401, 0.4023

Complementary

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



46.3184, 0.2380, 0.2804



39.0550, 0.4316, 0.3710

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.



46.3184, 0.3748, 0.3952



46.3184, 0.2380, 0.2804



46.3184, 0.3887, 0.3387

Square

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



46.3184, 0.2380, 0.2804



46.3184, 0.3222, 0.2801



46.3184, 0.3932, 0.3709



46.3184, 0.2995, 0.3862

Rectangle

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



46.3184, 0.2380, 0.2804



46.3184, 0.2705, 0.2631



46.3184, 0.3932, 0.3709



46.3184, 0.3528, 0.4024

Sweetspot

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



46.3201, 0.2380, 0.2804



85.9782, 0.2894, 0.3165



60.5787, 0.2879, 0.4407



18.0130, 0.2861, 0.3146



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.



46.3201, 0.2380, 0.2804



54.4879, 0.2254, 0.2685



26.6324, 0.2226, 0.2012



15.5274, 0.2981, 0.3214



17.1683, 0.1952, 0.2226



1.4337, 0.2000, 0.2400

Inverse Universe

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



31.9218, 0.3564, 0.2420



35.2493, 0.3690, 0.2274



60.8229, 0.3978, 0.4297



14.5336, 0.3186, 0.3131



10.9309, 0.4204, 0.2090



0.8244, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 46.3184, 0.2380, 0.2804 looks on a white background.

Color Contrast Check

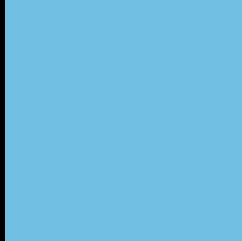
Large Text (above 18pt) WCAG AA × Fail

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 46.3184, 0.2380, 0.2804 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 46.3184, 0.2380, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 46.3184, 0.2380, 0.2804.

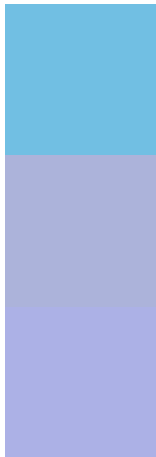


This preview shows how white text looks on a background with the Yxy color 46.3184, 0.2380, 0.2804.

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

46.3184, 0.2380, 0.2804

Protanopia

46.0728, 0.2781, 0.2798

Deuteranopia

45.9281, 0.2699, 0.2637



Tritanopia

46.3625, 0.2444, 0.3064

Trichromacy



Original Color

46.3184, 0.2380, 0.2804

Protanomaly

45.6667, 0.2616, 0.2795

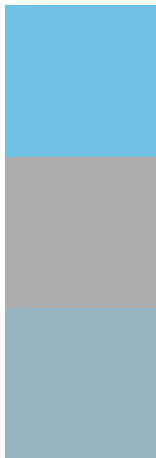
Deuteranomaly

45.6923, 0.2567, 0.2688

Tritanomaly

46.3490, 0.2421, 0.2970

Monochromacy



Original Color

46.3184, 0.2380, 0.2804

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6253, 0.2801, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3184, 0.2380, 0.2804 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(113, 191, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 227)  
}
```

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(113, 191, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 227) }
```

Border

The CSS property to change the border of an element to Yxy 46.3184, 0.2380, 0.2804 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(113, 191, 227) }
```

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

```
.border{ border-color:rgb(113, 191, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 191, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 191, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 191, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 191,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3184, 0.2380, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 227) }
```

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

```
.background{ background-color: rgb(113,  
191, 227) }
```

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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