

Converting Colors

$Y_{xy}(48.3017, 0.2370, 0.2824)$

Have a look what the booklet for
Yxy(48.3017, 0.2370, 0.2824)
contains.

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Color

Yxy(48.1881, 0.2371, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	70C3E6
RGB	112, 195, 230
RGB Percent	44%, 76%, 90%
CMY	0.5611, 0.2352, 0.0980
CMYK	0.51, 0.15, 0.00, 0.10
HSL	198°, 70%, 67%
HSV	198°, 51%, 90%
XYZ	40.4725, 48.1881, 82.0376
YIQ	174.1730, -60.7030, -6.7110

Conversions

Conversions Part 2

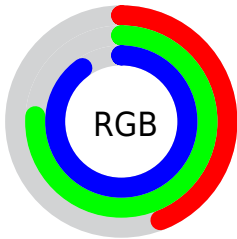
Format	Color
R _Y B	112, 161, 230
Decimal	7390182
CIE Lab	74.94, -15.83, -25.19
CIE LCh	75, 29.754, 237.849
Yxy	48.1881, 0.2371, 0.2823
Android (android.graphics.Color)	4285580262 (0xFF70C3E6)
YUV	174.1730, 27.5227, -54.5257
Hunter-Lab	69.4176, -17.4101, -21.4764

Details

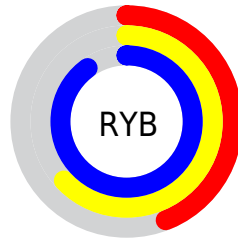
The Yxy color **48.1881, 0.2371, 0.2823** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.8320, 0.4371, 0.3692**, and the grayscale version is **42.2914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3869, 0.2648, 0.3256**, and **22.7839, 0.2181, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **43.8850, 0.2252, 0.2714**, and if you desaturate by 10%, it is **53.0194, 0.2504, 0.2928**.

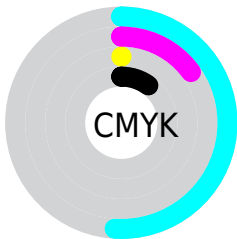
Distribution



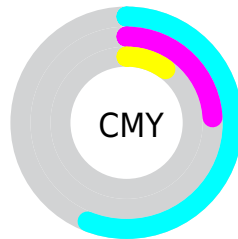
- Red (44%)
- Green (76%)
- Blue (90%)



- Red (44%)
- Yellow (63%)
- Blue (90%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)





- Cyan (56%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1881, 0.2371, 0.2823 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 48.1881, 0.2371, 0.2823 by changing the saturation by 10% instead.


 48.1881, 0.2371,
0.2823


 48.1881, 0.2371,
0.2823


379.5372, 0.2735,
0.3060


 33.9759, 0.2285,
0.2764


 87.4844, 0.2499,
0.2909

 22.8751, 0.2178,
0.2688


 113.3373, 0.2549,
0.2942

 14.5013, 0.2042,
0.2588


 143.8391, 0.2591,
0.2969

 8.4701, 0.1861,
0.2451

179.3744, 0.2628,
0.2992

 4.3972, 0.1616,
0.2254

220.3274, 0.2659,
0.3013

 1.8982, 0.1269,
0.1951

267.0826, 0.2687,

 0.5473, 0.0350,

0.3030

0.1434

320.0244, 0.2712,
0.3046

0.0000, 0.0000,
0.0000

48.1881, 0.2371,
0.2823

48.1881, 0.2371,
0.2823

43.8850, 0.2252,
0.2714

53.0194, 0.2504,
0.2928

40.0729, 0.2150,
0.2601

58.4022, 0.2648,
0.3027

36.7173, 0.2068,
0.2488

64.3644, 0.2798,
0.3119


33.7752, 0.2006,
0.2375

70.9303, 0.2952,
0.3204

31.5022, 0.1967,
0.2279

78.1224, 0.3106,
0.3280

 85.9623, 0.3259,
0.3349

 90.9111, 0.3287,
0.3415

 95.0606, 0.3279,
0.3480

 98.4937, 0.3274,
0.3532

Harmonies

Analogous

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



48.1881, 0.2429, 0.3148



48.1881, 0.2371, 0.2823



48.1881, 0.2496, 0.2649

Triad

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



48.1881, 0.2371, 0.2823



48.1881, 0.3591, 0.3034



48.1881, 0.3438, 0.4031

Complementary

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



48.1881, 0.2371, 0.2823



38.8320, 0.4371, 0.3692

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.



48.1881, 0.3777, 0.3940



48.1881, 0.2371, 0.2823



48.1881, 0.3877, 0.3357

Square

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



48.1881, 0.2371, 0.2823



48.1881, 0.3184, 0.2779



48.1881, 0.3944, 0.3684



48.1881, 0.3030, 0.3891

Rectangle

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



48.1881, 0.2371, 0.2823



48.1881, 0.2673, 0.2625



48.1881, 0.3944, 0.3684



48.1881, 0.3565, 0.4025

Sweetspot

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



48.1899, 0.2371, 0.2823



86.4337, 0.2894, 0.3173



62.0943, 0.2885, 0.4467



18.1232, 0.2862, 0.3155



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.



48.1899, 0.2371, 0.2823



54.9411, 0.2241, 0.2702



27.1873, 0.2209, 0.2004



15.5772, 0.2981, 0.3219



18.0555, 0.1971, 0.2297



1.4940, 0.2017, 0.2459

Inverse Universe

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



32.3350, 0.3551, 0.2379



34.3524, 0.3680, 0.2221



61.3796, 0.4010, 0.4299



14.5386, 0.3183, 0.3126



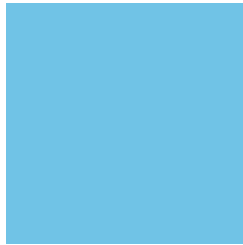
11.0204, 0.4129, 0.2048



0.8305, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 48.1881, 0.2371, 0.2823 looks on a white background.

Color Contrast Check

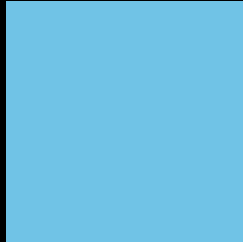
Large Text (above 18pt) WCAG AA × Fail

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 48.1881, 0.2371, 0.2823 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 48.1881, 0.2371, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 48.1881, 0.2371, 0.2823.



This preview shows how white text looks on a background with the Yxy color 48.1881, 0.2371, 0.2823.

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

48.1881, 0.2371, 0.2823

Protanopia

47.7903, 0.2785, 0.2805

Deuteranopia

47.6397, 0.2705, 0.2646



Tritanopia

48.3074, 0.2430, 0.3067

Trichromacy



Original Color

48.1881, 0.2371, 0.2823

Protanomaly

47.5979, 0.2611, 0.2814

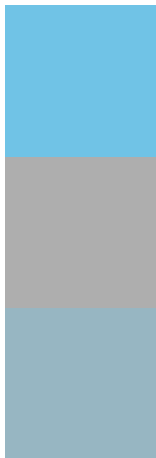
Deuteranomaly

47.1995, 0.2561, 0.2695

Tritanomaly

48.2880, 0.2407, 0.2975

Monochromacy



Original Color

48.1881, 0.2371, 0.2823

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9302, 0.2790, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1881, 0.2371, 0.2823 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(112, 195, 230)` looks like.

```
.text, #text, p{  
    color:rgb(112, 195, 230)  
}
```

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(112, 195, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 195, 230) }
```

Border

The CSS property to change the border of an element to Yxy 48.1881, 0.2371, 0.2823 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(112, 195, 230) }
```

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

```
.border{ border-color:rgb(112, 195, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 195, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 195, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 195, 230); box-shadow:4px 4px 4px 4px rgb(112, 195, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1881, 0.2371, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 195, 230) }
```

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

```
.background{ background-color: rgb(112,  
195, 230) }
```

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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