

Converting Colors

$Yxy(48.2819, 0.2394, 0.2867)$

Have a look what the booklet for
Yxy(48.2819, 0.2394, 0.2867)
contains.

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Color

Yxy(48.0870, 0.2391, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	71C3E3
RGB	113, 195, 227
RGB Percent	44%, 76%, 89%
CMY	0.5565, 0.2353, 0.1097
CMYK	0.50, 0.14, 0.00, 0.11
HSL	197°, 67%, 67%
HSV	197°, 50%, 89%
XYZ	40.2014, 48.0870, 79.8480
YIQ	174.1300, -59.1440, -7.4320

Conversions

Conversions Part 2

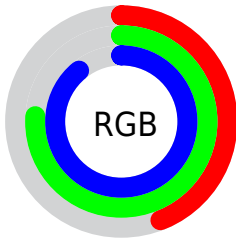
Format	Color
R _Y B	113, 161, 227
Decimal	7455715
CIE Lab	74.88, -16.40, -23.67
CIE LCh	75, 28.794, 235.279
Yxy	48.0870, 0.2391, 0.2860
Android (android.graphics.Color)	4285645795 (0xFF71C3E3)
YUV	174.1300, 26.0649, -53.6110
Hunter-Lab	69.3448, -17.8712, -19.7289

Details

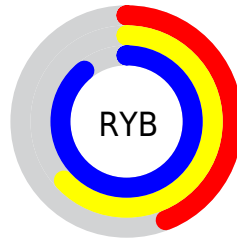
The Yxy color **48.0870, 0.2391, 0.2860** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.8199, 0.4342, 0.3664**, and the grayscale version is **42.2970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4987, 0.2653, 0.3256**, and **22.7584, 0.2199, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **43.9656, 0.2272, 0.2757**, and if you desaturate by 10%, it is **52.7109, 0.2524, 0.2959**.

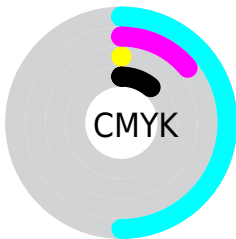
Distribution



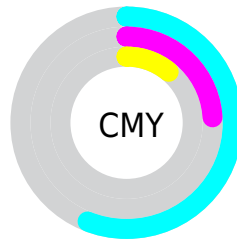
- Red (44%)
- Green (76%)
- Blue (89%)



- Red (44%)
- Yellow (63%)
- Blue (89%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)




- Cyan (56%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0870, 0.2391, 0.2860 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 48.0870, 0.2391, 0.2860 by changing the saturation by 10% instead.


 48.0870, 0.2391,
0.2860


 48.0870, 0.2391,
0.2860


379.1369, 0.2746,
0.3079

 33.8958, 0.2307,
0.2805


 87.3339, 0.2517,
0.2940

 22.8136, 0.2202,
0.2734

 113.1584, 0.2565,
0.2970

 14.4559, 0.2068,
0.2641


 143.6295, 0.2606,
0.2995

 8.4384, 0.1890,
0.2511

179.1315, 0.2641,
0.3017

 4.3767, 0.1647,
0.2323

220.0488, 0.2672,
0.3036

 1.8865, 0.1301,
0.2031

266.7659, 0.2700,

 0.5402, 0.0319,

0.3052

0.1524

319.6671, 0.2724,
0.3066

0.0000, 0.0000,
0.0000

48.0870, 0.2391,
0.2860

48.0870, 0.2391,
0.2860

43.9656, 0.2272,
0.2757

52.7109, 0.2524,
0.2959

40.3113, 0.2171,
0.2651

57.8592, 0.2667,
0.3051

37.0915, 0.2088,
0.2544


63.5583, 0.2817,
0.3138

34.2659, 0.2026,
0.2438


69.8315, 0.2970,
0.3217


31.8069, 0.1982,
0.2335

76.7002, 0.3124,
0.3289

 84.1847, 0.3277,
0.3353

 88.9332, 0.3309,
0.3415

 92.7512, 0.3302,
0.3477

 96.7026, 0.3294,
0.3538

Harmonies

Analogous

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



48.0870, 0.2463, 0.3186



48.0870, 0.2391, 0.2860



48.0870, 0.2498, 0.2676

Triad

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



48.0870, 0.2391, 0.2860



48.0870, 0.3546, 0.3017



48.0870, 0.3462, 0.4008

Complementary

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



48.0870, 0.2391, 0.2860



37.8199, 0.4342, 0.3664

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.



48.0870, 0.3779, 0.3904



48.0870, 0.2391, 0.2860



48.0870, 0.3837, 0.3328

Square

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



48.0870, 0.2391, 0.2860



48.0870, 0.3147, 0.2777



48.0870, 0.3921, 0.3648



48.0870, 0.3068, 0.3891

Rectangle

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



48.0870, 0.2391, 0.2860



48.0870, 0.2661, 0.2643



48.0870, 0.3921, 0.3648



48.0870, 0.3581, 0.3996

Sweetspot

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



48.0888, 0.2391, 0.2860



86.7822, 0.2894, 0.3179



60.4632, 0.2899, 0.4461



18.2076, 0.2862, 0.3162



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.



48.0888, 0.2391, 0.2860



57.1213, 0.2270, 0.2755



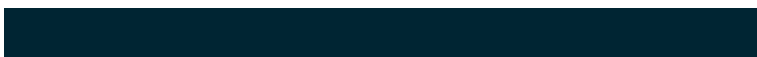
27.7281, 0.2237, 0.2066



15.6154, 0.2981, 0.3222



18.7535, 0.1986, 0.2351



1.5411, 0.2029, 0.2504

Inverse Universe

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



32.1064, 0.3518, 0.2380



35.5152, 0.3629, 0.2227



59.0399, 0.3999, 0.4260



14.5425, 0.3181, 0.3123



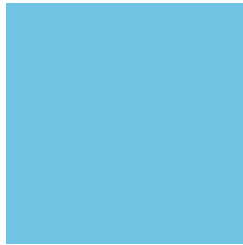
11.0909, 0.4073, 0.2018



0.8353, 0.3918, 0.1932

Previews

White Background



This preview shows how the Yxy color 48.0870, 0.2391, 0.2860 looks on a white background.

Color Contrast Check

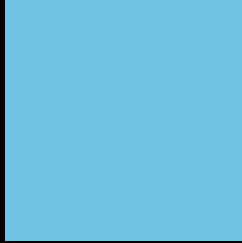
Large Text (above 18pt) WCAG AA × Fail

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 48.0870, 0.2391, 0.2860 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 48.0870, 0.2391, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 48.0870, 0.2391, 0.2860.



This preview shows how white text looks on a background with the Yxy color 48.0870, 0.2391, 0.2860.

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

48.0870, 0.2391, 0.2860

Protanopia

47.7480, 0.2813, 0.2841

Deuteranopia

47.7028, 0.2739, 0.2681



Tritanopia

47.9247, 0.2442, 0.3067

Trichromacy



Original Color

48.0870, 0.2391, 0.2860

Protanomaly

47.5334, 0.2636, 0.2850

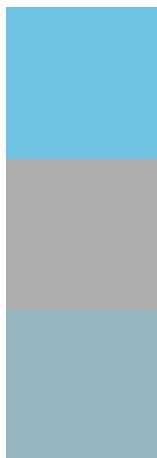
Deuteranomaly

47.2251, 0.2592, 0.2731

Tritanomaly

47.8568, 0.2424, 0.2987

Monochromacy



Original Color

48.0870, 0.2391, 0.2860

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9816, 0.2804, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0870, 0.2391, 0.2860 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, 195, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 195, 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, 195, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 195, 227) }
```

Border

The CSS property to change the border of an element to Yxy 48.0870, 0.2391, 0.2860 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, 195, 227) }
```

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

```
.border{ border-color:rgb(113, 195, 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, 195, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 195, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 195, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 195,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0870, 0.2391, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 195, 227) }
```

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

```
.background{ background-color: rgb(113,  
195, 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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