

Converting Colors

$Yxy(48.3067, 0.2360, 0.2683)$

Have a look what the booklet for
Yxy(48.3067, 0.2360, 0.2683)
contains.

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Color

Yxy(48.4243, 0.2357, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	78C1F0
RGB	120, 193, 240
RGB Percent	47%, 76%, 94%
CMY	0.5294, 0.2431, 0.0589
CMYK	0.50, 0.20, 0.00, 0.06
HSL	203°, 80%, 71%
HSV	203°, 50%, 94%
XYZ	42.5405, 48.4243, 89.5209
YIQ	176.5310, -58.5950, -0.8590

Conversions

Conversions Part 2

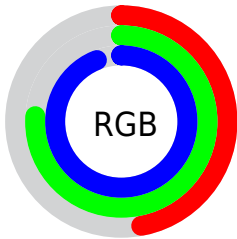
Format	Color
RYB	120, 165, 240
Decimal	7913968
CIELab	75.09, -10.17, -30.31
CIELCh	75, 31.970, 251.447
Yxy	48.4243, 0.2357, 0.2683
Android (android.graphics.Color)	4286104048 (0xFF78C1F0)
YUV	176.5310, 31.2902, -49.5777
Hunter-Lab	69.5876, -12.6571, -27.5623

Details

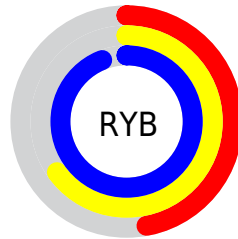
The Yxy color **48.4243, 0.2357, 0.2683** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.5035, 0.4258, 0.3807**, and the grayscale version is **43.5650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4363, 0.2683, 0.3224**, and **23.1467, 0.2162, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **42.8970, 0.2222, 0.2535**, and if you desaturate by 10%, it is **54.6489, 0.2503, 0.2824**.

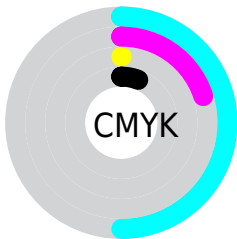
Distribution



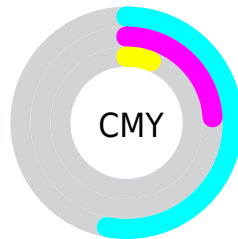
- Red (47%)
- Green (76%)
- Blue (94%)



- Red (47%)
- Yellow (65%)
- Blue (94%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4243, 0.2357, 0.2683 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 48.4243, 0.2357, 0.2683 by changing the saturation by 10% instead.

■ 48.4243, 0.2357,
0.2683

■ 48.4243, 0.2357,
0.2683

380.4715, 0.2727,
0.2984

■ 34.1630, 0.2270,
0.2610

■ 87.8358, 0.2487,
0.2791

■ 23.0189, 0.2163,
0.2518

■ 113.7548, 0.2537,
0.2832

■ 14.6074, 0.2025,
0.2398

■ 144.3285, 0.2580,
0.2867

■ 8.5443, 0.1846,
0.2238

179.9414, 0.2617,
0.2897

■ 4.4452, 0.1603,
0.2014

220.9777, 0.2650,
0.2923

■ 1.9256, 0.1266,
0.1687

267.8219, 0.2678,

■ 0.5637, 0.0588,

0.2946

0.1154

320.8583, 0.2704,
0.2966

0.0000, 0.0000,
0.0000

48.4243, 0.2357,
0.2683

48.4243, 0.2357,
0.2683

42.8970, 0.2222,
0.2535

54.6489, 0.2503,
0.2824

38.0241, 0.2104,
0.2383

61.5996, 0.2657,
0.2956

33.7648, 0.2005,
0.2229

69.3095, 0.2815,
0.3079

30.0696, 0.1928,
0.2078

77.8078, 0.2972,
0.3190

26.8580, 0.1870,
0.1931

87.1219, 0.3127,
0.3290

■ 26.8556, 0.1870,
0.1931

■ 95.5330, 0.3219,
0.3381

■ 99.0697, 0.3215,
0.3435

Harmonies

Analogous

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



48.4243, 0.2329, 0.2961



48.4243, 0.2357, 0.2683



48.4243, 0.2573, 0.2580

Triad

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



48.4243, 0.2357, 0.2683



48.4243, 0.3788, 0.3166



48.4243, 0.3262, 0.4053

Complementary

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



48.4243, 0.2357, 0.2683



47.5035, 0.4258, 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.



48.4243, 0.3674, 0.4059



48.4243, 0.2357, 0.2683



48.4243, 0.3997, 0.3520

Square

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



48.4243, 0.2357, 0.2683



48.4243, 0.3392, 0.2855



48.4243, 0.3949, 0.3848



48.4243, 0.2832, 0.3791

Rectangle

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



48.4243, 0.2357, 0.2683



48.4243, 0.2806, 0.2606



48.4243, 0.3949, 0.3848



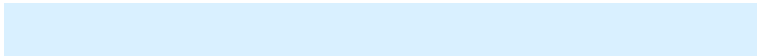
48.4243, 0.3407, 0.4084

Sweetspot

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



48.4261, 0.2357, 0.2683



84.2687, 0.2893, 0.3135



69.0506, 0.2829, 0.4267



17.6000, 0.2859, 0.3111



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.



48.4261, 0.2357, 0.2683



49.1209, 0.2220, 0.2532



27.3336, 0.2202, 0.1881



16.8297, 0.2980, 0.3195



14.9712, 0.1876, 0.1954



1.4384, 0.1930, 0.2149

Inverse Universe

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



35.8052, 0.3663, 0.2509



34.7075, 0.3825, 0.2377



74.2568, 0.3927, 0.4385



15.9205, 0.3198, 0.3147



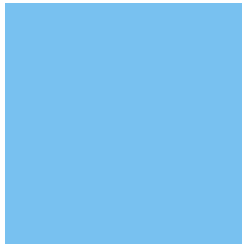
11.3047, 0.4505, 0.2255



0.9599, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 48.4243, 0.2357, 0.2683 looks on a white background.

Color Contrast Check

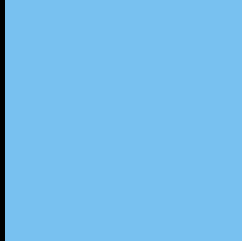
Large Text (above 18pt) WCAG AA × Fail

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 48.4243, 0.2357, 0.2683 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

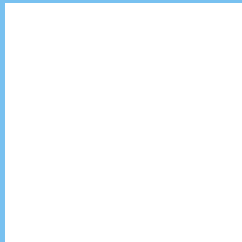
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4243, 0.2357, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 48.4243, 0.2357, 0.2683.



This preview shows how white text looks on a background with the Yxy color 48.4243, 0.2357, 0.2683.

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

48.4243, 0.2357, 0.2683

Protanopia

48.0527, 0.2692, 0.2678

Deuteranopia

48.0649, 0.2610, 0.2546



Tritanopia

48.6227, 0.2454, 0.3068

Trichromacy



Original Color

48.4243, 0.2357, 0.2683

Protanomaly

47.8883, 0.2552, 0.2675

Deuteranomaly

47.7841, 0.2505, 0.2584

Tritanomaly

48.3850, 0.2418, 0.2925

Monochromacy



Original Color

48.4243, 0.2357, 0.2683

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.1050, 0.2787, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4243, 0.2357, 0.2683 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, 193, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 193, 240)  
}
```

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, 193, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 193, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.4243, 0.2357, 0.2683 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, 193, 240) }
```

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

```
.border{ border-color:rgb(120, 193, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 193, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 193, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 193, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 193,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4243, 0.2357, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 193, 240) }
```

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

```
.background{ background-color: rgb(120,  
193, 240) }
```

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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