

Converting Colors

$Yxy(46.8165, 0.2952, 0.4391)$

Have a look what the booklet for
Yxy(46.8165, 0.2952, 0.4391)
contains.

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Color

Yxy(46.7645, 0.2949, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	6FC982
RGB	111, 201, 130
RGB Percent	44%, 79%, 51%
CMY	0.5647, 0.2118, 0.4902
CMYK	0.45, 0.00, 0.35, 0.21
HSL	133°, 45%, 61%
HSV	133°, 45%, 79%
XYZ	31.4716, 46.7645, 28.4834
YIQ	165.9960, -30.8490, -41.1610

Conversions

Conversions Part 2

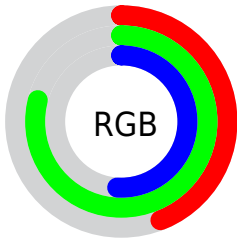
Format	Color
RYB	111, 185, 201
Decimal	7326082
CIELab	74.04, -42.19, 27.33
CIELCh	74, 50.266, 147.066
Yxy	46.7645, 0.2949, 0.4382
Android (android.graphics.Color)	4285516162 (0xFF6FC982)
YUV	165.9960, -17.7460, -48.2315
Hunter-Lab	68.3846, -37.5247, 23.1738

Details

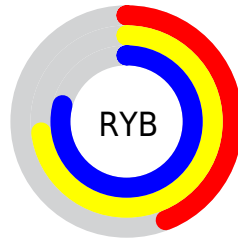
The Yxy color **46.7645, 0.2949, 0.4382** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.1669, 0.3386, 0.2407**, and the grayscale version is **38.2311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1544, 0.2996, 0.4136**, and **21.9492, 0.2868, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **45.2123, 0.2922, 0.4678**, and if you desaturate by 10%, it is **48.6796, 0.2984, 0.4098**.

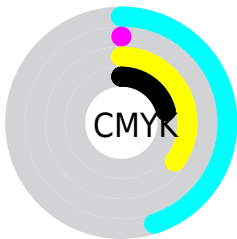
Distribution



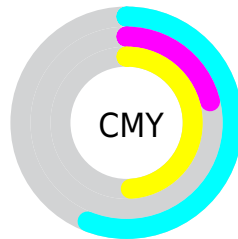
- Red (44%)
- Green (79%)
- Blue (51%)



- Red (44%)
- Yellow (73%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (35%)
- Black (21%)




- Cyan (56%)
- Magenta (21%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7645, 0.2949, 0.4382 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 46.7645, 0.2949, 0.4382 by changing the saturation by 10% instead.


 46.7645, 0.2949,
0.4382


 46.7645, 0.2949,
0.4382


373.8737, 0.3057,
0.3803


 32.8495, 0.2916,
0.4537


 85.3620, 0.2993,
0.4164

 22.0112, 0.2869,
0.4741


 110.8133, 0.3008,
0.4084

 13.8651, 0.2798,
0.5022


 140.8788, 0.3020,
0.4018

 8.0269, 0.2686,
0.5429

175.9430, 0.3030,
0.3962

 4.1122, 0.2484,
0.6061

216.3901, 0.3038,
0.3914

 1.7365, 0.2048,
0.7952

262.6047, 0.3045,

 0.4471, 0.0000,

0.3872

1.0000

314.9711, 0.3051,
0.3835

■ 0.0000, 0.0000,
0.0000

■ 46.7645, 0.2949,
0.4382

■ 46.7645, 0.2949,
0.4382

■ 45.2123, 0.2922,
0.4678

■ 48.6796, 0.2984,
0.4098

■ 43.9942, 0.2905,
0.4974

■ 50.9727, 0.3023,
0.3835

■ 43.0866, 0.2900,
0.5255


■ 53.6648, 0.3065,
0.3596


■ 42.4600, 0.2909,
0.5503


■ 56.7741, 0.3107,
0.3383

■ 42.0790, 0.2929,
0.5704

■ 60.3172, 0.3149,
0.3195

 41.9449, 0.2941,
0.5789

 64.3102, 0.3189,
0.3031

 68.7681, 0.3227,
0.2889

 70.2549, 0.3152,
0.2762

Harmonies

Analogous

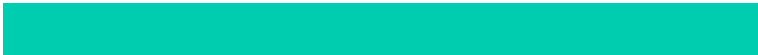
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7645, 0.3626, 0.4578



46.7645, 0.2949, 0.4382



46.7645, 0.2356, 0.3755

Triad

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



46.7645, 0.2949, 0.4382



46.7645, 0.2091, 0.2245



46.7645, 0.4405, 0.3340

Complementary

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



46.7645, 0.2949, 0.4382



27.1669, 0.3386, 0.2407

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.



46.7645, 0.3897, 0.2847



46.7645, 0.2949, 0.4382



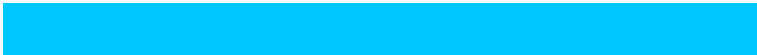
46.7645, 0.2532, 0.2244

Square

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



46.7645, 0.2949, 0.4382



46.7645, 0.1907, 0.2498



46.7645, 0.3186, 0.2459



46.7645, 0.4507, 0.3867

Rectangle

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



46.7645, 0.2949, 0.4382



46.7645, 0.2083, 0.3258



46.7645, 0.3186, 0.2459



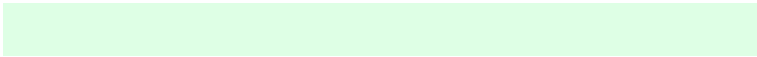
46.7645, 0.4274, 0.3169

Sweetspot

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



46.7664, 0.2949, 0.4382



92.6743, 0.3072, 0.3560



52.9906, 0.3629, 0.4443



19.5968, 0.3062, 0.3610



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.



46.7664, 0.2949, 0.4382



77.4089, 0.2922, 0.4678



48.2111, 0.2682, 0.3686



11.9239, 0.3088, 0.3477



26.3834, 0.2936, 0.5768



1.2602, 0.2824, 0.5367

Inverse Universe

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



27.1669, 0.3386, 0.2407



39.5410, 0.3462, 0.2231



25.6238, 0.3942, 0.2940



10.7768, 0.3169, 0.3110



9.3866, 0.3820, 0.1878



0.4543, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 46.7645, 0.2949, 0.4382 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 46.7645, 0.2949, 0.4382 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 46.7645, 0.2949, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 46.7645, 0.2949, 0.4382.



This preview shows how white text looks on a background with the Yxy color 46.7645, 0.2949, 0.4382.

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

46.7645, 0.2949, 0.4382

Protanopia

46.1887, 0.3752, 0.4049

Deuteranopia

46.1958, 0.3824, 0.3757



Tritanopia

46.7935, 0.2570, 0.3082

Trichromacy



Original Color

46.7645, 0.2949, 0.4382



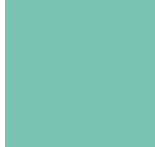
Protanomaly

45.4464, 0.3417, 0.4175



Deuteranomaly

45.2323, 0.3458, 0.3975



Tritanomaly

46.4225, 0.2706, 0.3521

Monochromacy



Original Color

46.7645, 0.2949, 0.4382



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.6511, 0.3050, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7645, 0.2949, 0.4382 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(111, 201, 130)` looks like.

```
.text, #text, p{  
    color:rgb(111, 201, 130)  
}
```

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(111, 201, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 201, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.7645, 0.2949, 0.4382 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(111, 201, 130) }
```

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

```
.border{ border-color:rgb(111, 201, 130) }
```

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

Here you see how a box with a 4 pixel rgb(111, 201, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 201, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 201, 130);  
box-shadow:4px 4px 4px 4px rgb(111, 201,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7645, 0.2949, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 201, 130) }
```

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

```
.background{ background-color: rgb(111,  
201, 130) }
```

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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