

Converting Colors

$Yxy(46.0461, 0.2923, 0.4378)$

Have a look what the booklet for
Yxy(46.0461, 0.2923, 0.4378)
contains.

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Color

Yxy(46.0461, 0.2923, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	6BC882
RGB	107, 200, 130
RGB Percent	42%, 78%, 51%
CMY	0.5806, 0.2156, 0.4902
CMYK	0.47, 0.00, 0.35, 0.22
HSL	135°, 46%, 60%
HSV	135°, 47%, 78%
XYZ	30.7430, 46.0461, 28.3870
YIQ	164.2130, -32.9580, -41.4860

Conversions

Conversions Part 2

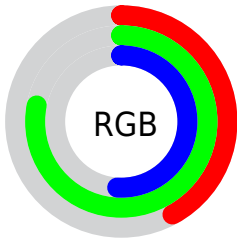
Format	Color
RYB	107, 182, 200
Decimal	7063682
CIELab	73.58, -42.88, 26.67
CIELCh	74, 50.500, 148.116
Yxy	46.0461, 0.2923, 0.4378
Android (android.graphics.Color)	4285253762 (0xFF6BC882)
YUV	164.2130, -16.8670, -50.1758
Hunter-Lab	67.8573, -37.8802, 22.6970

Details

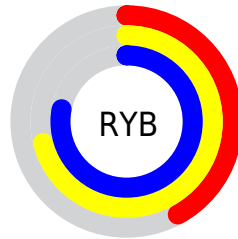
The Yxy color **46.0461, 0.2923, 0.4378** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.9597, 0.3439, 0.2413**, and the grayscale version is **37.3207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7254, 0.2974, 0.4141**, and **21.5081, 0.2835, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **44.5740, 0.2895, 0.4663**, and if you desaturate by 10%, it is **47.8678, 0.2960, 0.4105**.

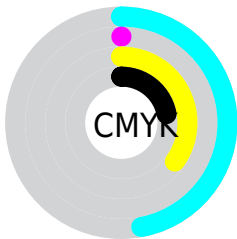
Distribution



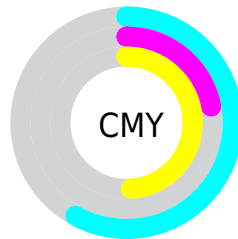
- Red (42%)
- Green (78%)
- Blue (51%)



- Red (42%)
- Yellow (71%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0461, 0.2923, 0.4378 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 46.0461, 0.2923, 0.4378 by changing the saturation by 10% instead.


 46.0461, 0.2923,
0.4378

 46.0461, 0.2923,
0.4378

370.9940, 0.3044,
0.3799


 32.2822, 0.2886,
0.4533


 84.2880, 0.2972,
0.4160


 21.5771, 0.2835,
0.4739


 109.5348, 0.2988,
0.4080

 13.5465, 0.2759,
0.5022


 139.3780, 0.3002,
0.4014

 7.8059, 0.2638,
0.5435

 174.2020, 0.3013,
0.3958

 3.9710, 0.2424,
0.6080

214.3912, 0.3023,
0.3910

 1.6574, 0.1872,
0.8128

260.3300, 0.3031,

 0.3958, 0.0000,

0.3868

1.0000

312.4028, 0.3038,
0.3831

■ 0.0000, 0.0000,
0.0000

■ 46.0461, 0.2923,
0.4378

■ 46.0461, 0.2923,
0.4378

■ 44.5740, 0.2895,
0.4663

■ 47.8678, 0.2960,
0.4105

■ 43.4231, 0.2878,
0.4947

■ 50.0538, 0.3003,
0.3850

■ 42.5700, 0.2876,
0.5218


■ 52.6250, 0.3049,
0.3619

■ 41.9854, 0.2888,
0.5460

■ 55.5990, 0.3096,
0.3412

■ 41.6316, 0.2913,
0.5660


■ 58.9922, 0.3143,
0.3229

 41.5395, 0.2922,
0.5720

 62.8203, 0.3189,
0.3069

 67.0980, 0.3233,
0.2930

 69.4992, 0.3185,
0.2794

 69.7931, 0.3152,
0.2752

Harmonies

Analogous

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



46.0461, 0.3606, 0.4592



46.0461, 0.2923, 0.4378



46.0461, 0.2331, 0.3734

Triad

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



46.0461, 0.2923, 0.4378



46.0461, 0.2094, 0.2231



46.0461, 0.4429, 0.3358

Complementary

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



46.0461, 0.2923, 0.4378



25.9597, 0.3439, 0.2413

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.



46.0461, 0.3928, 0.2858



46.0461, 0.2923, 0.4378



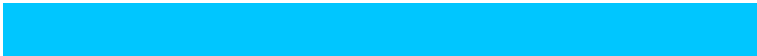
46.0461, 0.2547, 0.2239

Square

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



46.0461, 0.2923, 0.4378



46.0461, 0.1899, 0.2477



46.0461, 0.3211, 0.2463



46.0461, 0.4516, 0.3888

Rectangle

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



46.0461, 0.2923, 0.4378



46.0461, 0.2063, 0.3232



46.0461, 0.3211, 0.2463



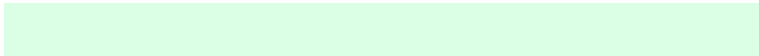
46.0461, 0.4302, 0.3185

Sweetspot

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



46.0480, 0.2923, 0.4378



92.2360, 0.3060, 0.3569



51.8739, 0.3619, 0.4498



19.5136, 0.3050, 0.3616



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.



46.0480, 0.2923, 0.4378



77.1024, 0.2894, 0.4671



47.5390, 0.2651, 0.3656



11.9303, 0.3083, 0.3469



26.4216, 0.2916, 0.5697



1.2630, 0.2798, 0.5272

Inverse Universe

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



25.9597, 0.3439, 0.2413



38.0403, 0.3533, 0.2243



24.4466, 0.4033, 0.2967



10.7700, 0.3175, 0.3118



9.2322, 0.3946, 0.1948



0.4482, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 46.0461, 0.2923, 0.4378 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 46.0461, 0.2923, 0.4378 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 46.0461, 0.2923, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 46.0461, 0.2923, 0.4378.

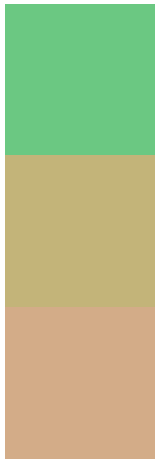


This preview shows how white text looks on a background with the Yxy color 46.0461, 0.2923, 0.4378.

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

46.0461, 0.2923, 0.4378

Protanopia

45.6251, 0.3756, 0.4053

Deuteranopia

45.1315, 0.3814, 0.3737



Tritanopia

46.0029, 0.2550, 0.3080

Trichromacy



Original Color

46.0461, 0.2923, 0.4378



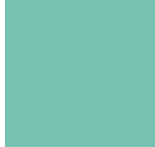
Protanomaly

44.7824, 0.3410, 0.4182



Deuteranomaly

44.0614, 0.3436, 0.3956



Tritanomaly

45.6495, 0.2686, 0.3524

Monochromacy



Original Color

46.0461, 0.2923, 0.4378



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.5509, 0.3033, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0461, 0.2923, 0.4378 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(107, 200, 130)` looks like.

```
.text, #text, p{  
    color:rgb(107, 200, 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(107, 200, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 200, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.0461, 0.2923, 0.4378 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(107, 200, 130) }
```

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

```
.border{ border-color:rgb(107, 200, 130) }
```

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

Here you see how a box with a 4 pixel rgb(107, 200, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 200, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 200, 130);  
box-shadow:4px 4px 4px 4px rgb(107, 200,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0461, 0.2923, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 200, 130) }
```

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

```
.background{ background-color: rgb(107,  
200, 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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