

Converting Colors

$Yxy(45.9872, 0.2988, 0.4265)$

Have a look what the booklet for
Yxy(45.9872, 0.2988, 0.4265)
contains.

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Color

Yxy(46.1025, 0.2983, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	78C686
RGB	120, 198, 134
RGB Percent	47%, 78%, 53%
CMY	0.5293, 0.2235, 0.4746
CMYK	0.39, 0.00, 0.32, 0.22
HSL	131°, 41%, 62%
HSV	131°, 39%, 78%
XYZ	32.2447, 46.1025, 29.7477
YIQ	167.3820, -25.9440, -36.4400

Conversions

Conversions Part 2

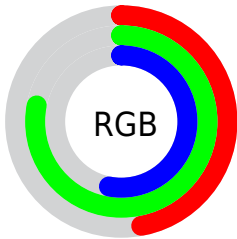
Format	Color
RYB	120, 186, 198
Decimal	7915142
CIELab	73.61, -37.54, 24.73
CIELCh	74, 44.951, 146.626
Yxy	46.1025, 0.2983, 0.4265
Android (android.graphics.Color)	4286105222 (0xFF78C686)
YUV	167.3820, -16.4573, -41.5540
Hunter-Lab	67.8988, -34.0544, 21.5531

Details

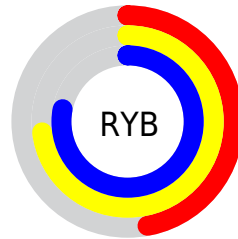
The Yxy color **46.1025, 0.2983, 0.4265** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.9078, 0.3319, 0.2482**, and the grayscale version is **38.9342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2648, 0.3015, 0.4064**, and **21.7449, 0.2914, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **44.4125, 0.2954, 0.4567**, and if you desaturate by 10%, it is **48.1588, 0.3017, 0.3980**.

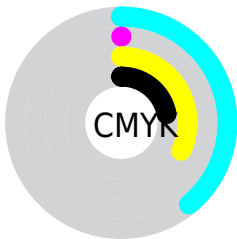
Distribution



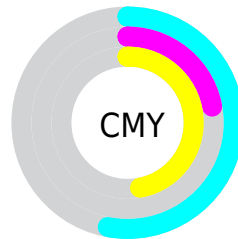
- Red (47%)
- Green (78%)
- Blue (53%)



- Red (47%)
- Yellow (73%)
- Blue (78%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1025, 0.2983, 0.4265 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 46.1025, 0.2983, 0.4265 by changing the saturation by 10% instead.


 46.1025, 0.2983,
0.4265

 46.1025, 0.2983,
0.4265


371.2206, 0.3070,
0.3749

 32.3267, 0.2956,
0.4402


 84.3724, 0.3018,
0.4071

 21.6112, 0.2918,
0.4584


 109.6353, 0.3031,
0.4000

 13.5715, 0.2861,
0.4834


 139.4960, 0.3040,
0.3941

 7.8232, 0.2769,
0.5198

174.3389, 0.3048,
0.3891

 3.9820, 0.2603,
0.5767

214.5484, 0.3055,
0.3848

 1.6635, 0.2367,
0.7633

260.5089, 0.3061,

 0.3999, 0.0000,

0.3811

1.0000

312.6049, 0.3066,
0.3778

0.0000, 0.0000,
0.0000

46.1025, 0.2983,
0.4265

46.1025, 0.2983,
0.4265

44.4125, 0.2954,
0.4567

48.1588, 0.3017,
0.3980

43.0616, 0.2933,
0.4874

50.5953, 0.3054,
0.3719

42.0282, 0.2922,
0.5171


53.4319, 0.3092,
0.3485

41.2856, 0.2922,
0.5441


56.6857, 0.3129,
0.3278


40.8026, 0.2935,
0.5664

60.3728, 0.3166,
0.3097

 40.5266, 0.2954,
0.5831

 64.5082, 0.3200,
0.2939

 40.5126, 0.2955,
0.5839

 68.4119, 0.3205,
0.2799

 68.8685, 0.3153,
0.2732

Harmonies

Analogous

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



46.1025, 0.3597, 0.4444



46.1025, 0.2983, 0.4265



46.1025, 0.2439, 0.3717

Triad

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



46.1025, 0.2983, 0.4265



46.1025, 0.2180, 0.2341



46.1025, 0.4270, 0.3339

Complementary

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



46.1025, 0.2983, 0.4265



28.9078, 0.3319, 0.2482

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.



46.1025, 0.3812, 0.2884



46.1025, 0.2983, 0.4265



46.1025, 0.2583, 0.2333

Square

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



46.1025, 0.2983, 0.4265



46.1025, 0.2014, 0.2584



46.1025, 0.3174, 0.2528



46.1025, 0.4374, 0.3821

Rectangle

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



46.1025, 0.2983, 0.4265



46.1025, 0.2185, 0.3278



46.1025, 0.3174, 0.2528



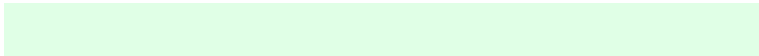
46.1025, 0.4151, 0.3181

Sweetspot

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



46.1044, 0.2983, 0.4265



93.1376, 0.3081, 0.3548



52.0602, 0.3597, 0.4296



19.7896, 0.3076, 0.3578



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.



46.1044, 0.2983, 0.4265



79.1042, 0.2958, 0.4515



47.3625, 0.2742, 0.3670



11.9184, 0.3092, 0.3485



26.3553, 0.2950, 0.5822



1.2577, 0.2848, 0.5453

Inverse Universe

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



28.9078, 0.3319, 0.2482



44.5442, 0.3371, 0.2321



27.5213, 0.3769, 0.2947



10.7828, 0.3164, 0.3102



9.5284, 0.3716, 0.1821



0.4599, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 46.1025, 0.2983, 0.4265 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 46.1025, 0.2983, 0.4265 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 46.1025, 0.2983, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 46.1025, 0.2983, 0.4265.

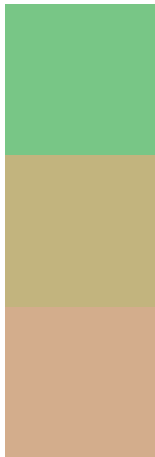


This preview shows how white text looks on a background with the Yxy color 46.1025, 0.2983, 0.4265.

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

46.1025, 0.2983, 0.4265

Protanopia

45.6182, 0.3705, 0.3992

Deuteranopia

45.6295, 0.3774, 0.3700



Tritanopia

45.9057, 0.2625, 0.3083

Trichromacy



Original Color

46.1025, 0.2983, 0.4265



Protanomaly

45.3411, 0.3408, 0.4102



Deuteranomaly

44.7559, 0.3449, 0.3891



Tritanomaly

45.6998, 0.2753, 0.3477

Monochromacy



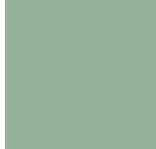
Original Color

46.1025, 0.2983, 0.4265



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.6914, 0.3068, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1025, 0.2983, 0.4265 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, 198, 134)` looks like.

```
.text, #text, p{  
    color:rgb(120, 198, 134)  
}
```

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, 198, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 198, 134) }
```

Border

The CSS property to change the border of an element to Yxy 46.1025, 0.2983, 0.4265 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, 198, 134) }
```

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

```
.border{ border-color:rgb(120, 198, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 198, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 198, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 198, 134);  
box-shadow:4px 4px 4px 4px rgb(120, 198,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1025, 0.2983, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 198, 134) }
```

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

```
.background{ background-color: rgb(120,  
198, 134) }
```

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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