

Converting Colors

$Yxy(46.9751, 0.2845, 0.4163)$

Have a look what the booklet for
Yxy(46.9751, 0.2845, 0.4163)
contains.

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Color

Yxy(46.9751, 0.2845, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	6CC990
RGB	108, 201, 144
RGB Percent	42%, 79%, 56%
CMY	0.5766, 0.2117, 0.4353
CMYK	0.46, 0.00, 0.28, 0.21
HSL	143°, 46%, 61%
HSV	143°, 46%, 79%
XYZ	32.1028, 46.9751, 33.7616
YIQ	166.6950, -37.1310, -37.4430

Conversions

Conversions Part 2

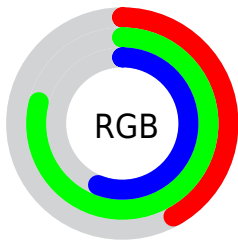
Format	Color
RYB	108, 175, 201
Decimal	7129488
CIELab	74.17, -40.47, 20.10
CIELCh	74, 45.191, 153.585
Yxy	46.9751, 0.2845, 0.4163
Android (android.graphics.Color)	4285319568 (0xFF6CC990)
YUV	166.6950, -11.1886, -51.4755
Hunter-Lab	68.5384, -36.3342, 18.7710

Details

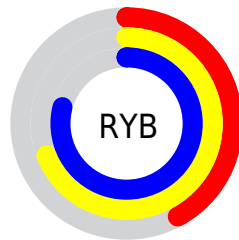
The Yxy color **46.9751, 0.2845, 0.4163** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8544, 0.3597, 0.2566**, and the grayscale version is **38.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4897, 0.2903, 0.3956**, and **22.0519, 0.2748, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **45.5027, 0.2806, 0.4396**, and if you desaturate by 10%, it is **48.7830, 0.2896, 0.3943**.

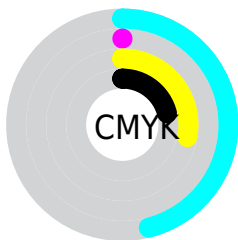
Distribution



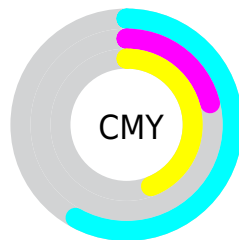
- Red (42%)
- Green (79%)
- Blue (56%)



- Red (42%)
- Yellow (69%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (28%)
- Black (21%)





- Cyan (58%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9751, 0.2845, 0.4163 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 46.9751, 0.2845, 0.4163 by changing the saturation by 10% instead.


 46.9751, 0.2845,
0.4163


 46.9751, 0.2845,
0.4163


374.7151, 0.2998,
0.3703

 33.0160, 0.2803,
0.4285


 85.6765, 0.2903,
0.3990


 22.1387, 0.2747,
0.4446


 111.1875, 0.2924,
0.3927

 13.9588, 0.2667,
0.4669


 141.3179, 0.2942,
0.3875

 8.0920, 0.2549,
0.4993

 176.4521, 0.2957,
0.3830

 4.1539, 0.2354,
0.5504

216.9746, 0.2969,
0.3791

 1.7600, 0.1962,
0.6858

263.2696, 0.2980,

 0.4621, 0.0000,

0.3758

1.0000

315.7217, 0.2989,
0.3729

■ 0.0000, 0.0000,
0.0000

■ 46.9751, 0.2845,
0.4163

■ 46.9751, 0.2845,
0.4163

■ 45.5027, 0.2806,
0.4396

■ 48.7830, 0.2896,
0.3943

■ 44.3384, 0.2781,
0.4634

■ 50.9400, 0.2954,
0.3738

■ 43.4598, 0.2774,
0.4871


■ 53.4663, 0.3018,
0.3552


■ 42.8390, 0.2785,
0.5097

■ 56.3785, 0.3085,
0.3385

■ 42.4405, 0.2814,
0.5303


■ 59.6923, 0.3152,
0.3237

 42.3245, 0.2826,
0.5374

 63.4225, 0.3218,
0.3106

 67.5832, 0.3283,
0.2992

 69.4796, 0.3241,
0.2878

 70.2470, 0.3153,
0.2763

Harmonies

Analogous

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



46.9751, 0.3457, 0.4439



46.9751, 0.2845, 0.4163



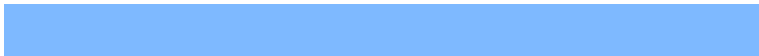
46.9751, 0.2340, 0.3564

Triad

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



46.9751, 0.2845, 0.4163



46.9751, 0.2254, 0.2321



46.9751, 0.4328, 0.3451

Complementary

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



46.9751, 0.2845, 0.4163



25.8544, 0.3597, 0.2566

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.



46.9751, 0.3942, 0.2984



46.9751, 0.2845, 0.4163



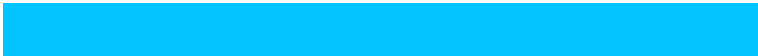
46.9751, 0.2707, 0.2363

Square

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



46.9751, 0.2845, 0.4163



46.9751, 0.2031, 0.2506



46.9751, 0.3325, 0.2599



46.9751, 0.4342, 0.3927

Rectangle

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



46.9751, 0.2845, 0.4163



46.9751, 0.2123, 0.3132



46.9751, 0.3325, 0.2599



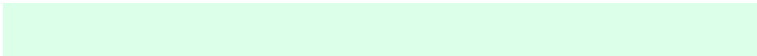
46.9751, 0.4237, 0.3290

Sweetspot

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



46.9770, 0.2845, 0.4163



92.5170, 0.3032, 0.3516



50.8952, 0.3498, 0.4544



19.5816, 0.3018, 0.3554



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.



46.9770, 0.2845, 0.4163



77.7865, 0.2804, 0.4408



48.6877, 0.2574, 0.3444



11.9548, 0.3064, 0.3435



26.6266, 0.2819, 0.5347



1.2749, 0.2699, 0.4916

Inverse Universe

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



25.8544, 0.3597, 0.2566



37.0485, 0.3753, 0.2420



24.4663, 0.4221, 0.3152



10.7443, 0.3196, 0.3149



8.7277, 0.4474, 0.2238



0.4271, 0.4143, 0.2056

Previews

White Background



This preview shows how the Yxy color 46.9751, 0.2845, 0.4163 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 46.9751, 0.2845, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

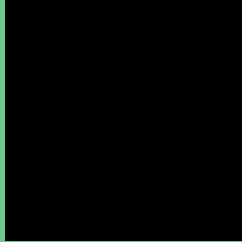
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9751, 0.2845, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 46.9751, 0.2845, 0.4163.



This preview shows how white text looks on a background with the Yxy color 46.9751, 0.2845, 0.4163.

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

46.9751, 0.2845, 0.4163

Protanopia

46.2664, 0.3626, 0.3888

Deuteranopia

46.1758, 0.3670, 0.3589



Tritanopia

46.9791, 0.2543, 0.3082

Trichromacy



Original Color

46.9751, 0.2845, 0.4163



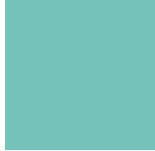
Protanomaly

45.5879, 0.3301, 0.3995



Deuteranomaly

45.3033, 0.3319, 0.3785



Tritanomaly

46.8342, 0.2648, 0.3448

Monochromacy



Original Color

46.9751, 0.2845, 0.4163



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.8544, 0.3004, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9751, 0.2845, 0.4163 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(108, 201, 144)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 144)  
}
```

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(108, 201, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 144) }
```

Border

The CSS property to change the border of an element to Yxy 46.9751, 0.2845, 0.4163 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(108, 201, 144) }
```

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

```
.border{ border-color:rgb(108, 201, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 144);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9751, 0.2845, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 144) }
```

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

```
.background{ background-color: rgb(108,  
201, 144) }
```

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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