

Converting Colors

$Yxy(47.8265, 0.3211, 0.4616)$

Have a look what the booklet for
Yxy(47.8265, 0.3211, 0.4616)
contains.

Yxy(47.8265, 0.3211, 0.4616)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8265, 0.3211, 0.4616)

Conversions

Conversions Part 1

Format	Color
Hex	84C96F
RGB	132, 201, 111
RGB Percent	52%, 79%, 44%
CMY	0.4824, 0.2117, 0.5647
CMYK	0.34, 0.00, 0.45, 0.21
HSL	106°, 45%, 61%
HSV	106°, 45%, 79%
XYZ	33.2693, 47.8265, 22.5145
YIQ	170.1090, -12.2340, -42.6180

Conversions

Conversions Part 2

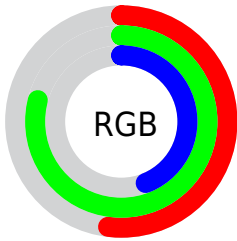
Format	Color
RYB	111, 201, 180
Decimal	8702319
CIELab	74.72, -38.64, 38.14
CIElCh	75, 54.292, 135.374
Yxy	47.8265, 0.3211, 0.4616
Android (android.graphics.Color)	4286892399 (0xFF84C96F)
YUV	170.1090, -29.1407, -33.4216
Hunter-Lab	69.1567, -35.1531, 29.1074

Details

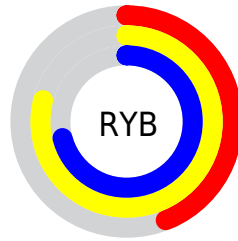
The Yxy color **47.8265, 0.3211, 0.4616** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.2905, 0.2955, 0.2132**, and the grayscale version is **40.4072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8917, 0.3220, 0.4325**, and **22.5144, 0.3185, 0.5027** is the 20% darker color. If you saturate the color by 10%, you get **46.2824, 0.3212, 0.4947**, and if you desaturate by 10%, it is **49.6579, 0.3201, 0.4285**.

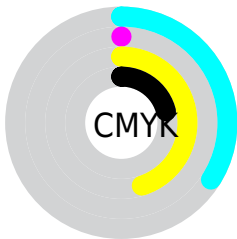
Distribution



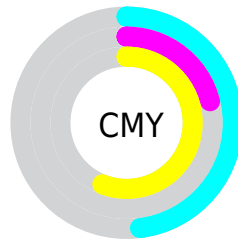
- Red (52%)
- Green (79%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (71%)



- Cyan (34%)
- Magenta (0%)
- Yellow (45%)
- Black (21%)




- Cyan (48%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8265, 0.3211, 0.4616 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 47.8265, 0.3211, 0.4616 by changing the saturation by 10% instead.


 47.8265, 0.3211,
0.4616

 47.8265, 0.3211,
0.4616


378.1040, 0.3197,
0.3919


 33.6895, 0.3203,
0.4798


 86.9460, 0.3214,
0.4356


 22.6552, 0.3186,
0.5035


 112.6973, 0.3212,
0.4260

 14.3391, 0.3150,
0.5353


 143.0889, 0.3210,
0.4180

 8.3569, 0.3073,
0.5796

 178.5051, 0.3208,
0.4112

 4.3242, 0.2959,
0.6566

219.3303, 0.3205,
0.4053

 1.8565, 0.2458,
0.7542

265.9489, 0.3203,


 0.5220, 0.0000,

0.4003


1.0000

318.7454, 0.3200,
0.3958


 0.0000, 0.0000,
0.0000


 47.8265, 0.3211,
0.4616


 47.8265, 0.3211,
0.4616


 46.2824, 0.3212,
0.4947


 49.6579, 0.3201,
0.4285

 45.0048, 0.3202,
0.5259


 51.7841, 0.3184,
0.3968

 43.9793, 0.3181,
0.5530


 54.2199, 0.3163,
0.3674


 43.1879, 0.3148,
0.5741

 56.9774, 0.3139,
0.3407


 42.6096, 0.3107,
0.5880

 60.0678, 0.3114,
0.3169

 42.3780, 0.3087,
0.5931

 63.5020, 0.3089,
0.2959

 67.2901, 0.3064,
0.2775

 70.2568, 0.3152,
0.2762

Harmonies

Analogous

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



47.8265, 0.3914, 0.4608



47.8265, 0.3211, 0.4616



47.8265, 0.2523, 0.4093

Triad

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



47.8265, 0.3211, 0.4616



47.8265, 0.1919, 0.2247



47.8265, 0.4329, 0.3124

Complementary

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



47.8265, 0.3211, 0.4616



25.2905, 0.2955, 0.2132

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.



47.8265, 0.3662, 0.2640



47.8265, 0.3211, 0.4616



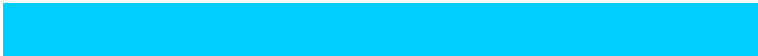
47.8265, 0.2279, 0.2151

Square

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



47.8265, 0.3211, 0.4616



47.8265, 0.1833, 0.2625



47.8265, 0.2895, 0.2295



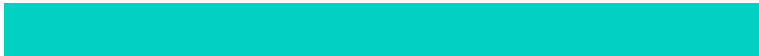
47.8265, 0.4617, 0.3675

Rectangle

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



47.8265, 0.3211, 0.4616



47.8265, 0.2167, 0.3563



47.8265, 0.2895, 0.2295



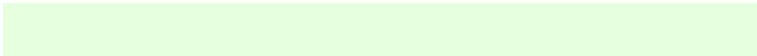
47.8265, 0.4137, 0.2952

Sweetspot

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



47.8285, 0.3211, 0.4616



93.5395, 0.3159, 0.3629



46.2104, 0.3893, 0.4157



19.8072, 0.3164, 0.3692



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.



47.8285, 0.3211, 0.4616



79.2395, 0.3212, 0.4946



46.9051, 0.2918, 0.4302



12.0052, 0.3150, 0.3526



26.6786, 0.3095, 0.5925



1.2974, 0.3248, 0.5803

Inverse Universe

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



25.2905, 0.2955, 0.2132



35.6833, 0.2900, 0.1887



26.9607, 0.3444, 0.2463



10.6872, 0.3101, 0.3060



7.0224, 0.2630, 0.1223



0.3637, 0.2757, 0.1292

Previews

White Background



This preview shows how the Yxy color 47.8265, 0.3211, 0.4616 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 47.8265, 0.3211, 0.4616 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 47.8265, 0.3211, 0.4616

Background



This preview shows how black text looks on a background with the Yxy color 47.8265, 0.3211, 0.4616.



This preview shows how white text looks on a background with the Yxy color 47.8265, 0.3211, 0.4616.

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

47.8265, 0.3211, 0.4616

Protanopia

47.2840, 0.3930, 0.4270

Deuteranopia

47.1599, 0.4051, 0.3976



Tritanopia

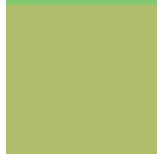
47.5306, 0.2706, 0.3088

Trichromacy



Original Color

47.8265, 0.3211, 0.4616



Protanomaly

47.1186, 0.3641, 0.4402



Deuteranomaly

46.2102, 0.3719, 0.4195



Tritanomaly

47.2746, 0.2891, 0.3616

Monochromacy



Original Color

47.8265, 0.3211, 0.4616



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2856, 0.3165, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8265, 0.3211, 0.4616 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(132, 201, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 111)  
}
```

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(132, 201, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 111) }
```

Border

The CSS property to change the border of an element to Yxy 47.8265, 0.3211, 0.4616 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(132, 201, 111) }
```

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

```
.border{ border-color:rgb(132, 201, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 201, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8265, 0.3211, 0.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 111) }
```

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

```
.background{ background-color: rgb(132,  
201, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor