

Converting Colors

$Yxy(48.0161, 0.3132, 0.4793)$

Have a look what the booklet for
Yxy(48.0161, 0.3132, 0.4793)
contains.

Yxy(47.8982, 0.3133, 0.4795)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8982, 0.3133, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	74CC68
RGB	116, 204, 104
RGB Percent	45%, 80%, 41%
CMY	0.5450, 0.2000, 0.5921
CMYK	0.43, 0.00, 0.49, 0.20
HSL	113°, 50%, 60%
HSV	113°, 49%, 80%
XYZ	31.2962, 47.8982, 20.6976
YIQ	166.2880, -20.3480, -49.7560

Conversions

Conversions Part 2

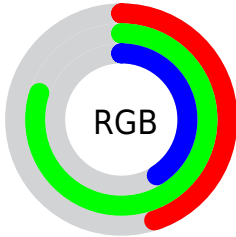
Format	Color
RYB	104, 204, 192
Decimal	7654504
CIELab	74.76, -45.94, 41.49
CIElCh	75, 61.903, 137.917
Yxy	47.8982, 0.3133, 0.4795
Android (android.graphics.Color)	4285844584 (0xFF74CC68)
YUV	166.2880, -30.7080, -44.1026
Hunter-Lab	69.2085, -40.3971, 30.7146

Details

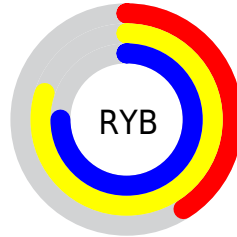
The Yxy color **47.8982, 0.3133, 0.4795** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.4724, 0.3053, 0.2069**, and the grayscale version is **38.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7250, 0.3159, 0.4439**, and **22.6817, 0.3074, 0.5284** is the 20% darker color. If you saturate the color by 10%, you get **46.4206, 0.3121, 0.5134**, and if you desaturate by 10%, it is **49.7179, 0.3139, 0.4449**.

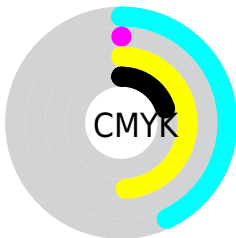
Distribution



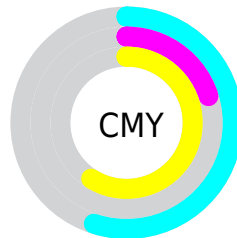
- Red (45%)
- Green (80%)
- Blue (41%)



- Red (41%)
- Yellow (80%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)





- Cyan (55%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8982, 0.3133, 0.4795 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 47.8982, 0.3133, 0.4795 by changing the saturation by 10% instead.


 47.8982, 0.3133,
0.4795

 47.8982, 0.3133,
0.4795


378.3885, 0.3166,
0.3998

 33.7463, 0.3111,
0.5004


 87.0528, 0.3155,
0.4497

 22.6988, 0.3073,
0.5276


 112.8243, 0.3160,
0.4387

 14.3712, 0.3006,
0.5641


 143.2378, 0.3163,
0.4295

 8.3793, 0.2880,
0.6146

 178.6776, 0.3165,
0.4218

 4.3386, 0.2730,
0.7132

219.5282, 0.3166,
0.4151

 1.8647, 0.1880,
0.8120

266.1739, 0.3167,


 0.5270, 0.0000,

0.4093


1.0000


318.9992, 0.3167,
0.4043

 0.0000, 0.0000,
0.0000


 47.8982, 0.3133,
0.4795


 47.8982, 0.3133,
0.4795


 46.4206, 0.3121,
0.5134


 49.7179, 0.3139,
0.4449

 45.2579, 0.3103,
0.5441


 51.8929, 0.3141,
0.4113

 44.3886, 0.3081,
0.5692


 54.4430, 0.3138,
0.3801


 43.7858, 0.3055,
0.5869

 57.3848, 0.3133,
0.3518


 43.4136, 0.3030,
0.5969

 60.7340, 0.3126,
0.3267

 43.3863, 0.3028,
0.5977

 64.5052, 0.3118,
0.3046

 68.7126, 0.3110,
0.2854

 71.6663, 0.3151,
0.2792

Harmonies

Analogous

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



47.8982, 0.3930, 0.4802



47.8982, 0.3133, 0.4795



47.8982, 0.2378, 0.4142

Triad

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



47.8982, 0.3133, 0.4795



47.8982, 0.1804, 0.2099



47.8982, 0.4545, 0.3139

Complementary

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



47.8982, 0.3133, 0.4795



25.4724, 0.3053, 0.2069

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.



47.8982, 0.3805, 0.2600



47.8982, 0.3133, 0.4795



47.8982, 0.2221, 0.2026

Square

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



47.8982, 0.3133, 0.4795



47.8982, 0.1682, 0.2478



47.8982, 0.2927, 0.2207



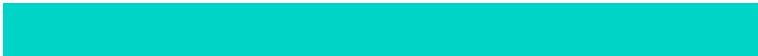
47.8982, 0.4817, 0.3745

Rectangle

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



47.8982, 0.3133, 0.4795



47.8982, 0.2002, 0.3513



47.8982, 0.2927, 0.2207



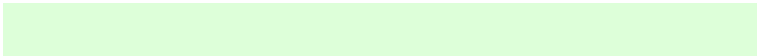
47.8982, 0.4338, 0.2949

Sweetspot

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



47.9002, 0.3133, 0.4795



91.9420, 0.3137, 0.3689



50.9556, 0.3914, 0.4339



19.4635, 0.3138, 0.3751



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.



47.9002, 0.3133, 0.4795



76.7119, 0.3120, 0.5158



48.0443, 0.2845, 0.4260



12.6003, 0.3134, 0.3528



27.3291, 0.3033, 0.5974



1.4319, 0.3126, 0.5900

Inverse Universe

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



25.4724, 0.3053, 0.2069



35.2283, 0.3026, 0.1839



25.5453, 0.3610, 0.2501



11.3328, 0.3119, 0.3060



8.8429, 0.2911, 0.1377



0.4759, 0.2973, 0.1411

Previews

White Background



This preview shows how the Yxy color 47.8982, 0.3133, 0.4795 looks on a white background.

Color Contrast Check

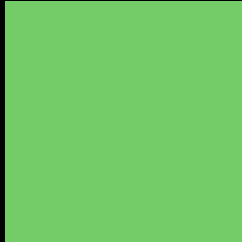
Large Text (above 18pt) WCAG AA × Fail

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 47.8982, 0.3133, 0.4795 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 47.8982, 0.3133, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 47.8982, 0.3133, 0.4795.



This preview shows how white text looks on a background with the Yxy color 47.8982, 0.3133, 0.4795.

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

47.8982, 0.3133, 0.4795

Protanopia

47.2866, 0.3990, 0.4343

Deuteranopia

47.3372, 0.4120, 0.4036



Tritanopia

47.4876, 0.2613, 0.3072

Trichromacy



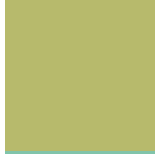
Original Color

47.8982, 0.3133, 0.4795



Protanomaly

46.8396, 0.3639, 0.4518



Deuteranomaly

46.2678, 0.3716, 0.4321



Tritanomaly

47.0493, 0.2810, 0.3667

Monochromacy



Original Color

47.8982, 0.3133, 0.4795



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.9216, 0.3144, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8982, 0.3133, 0.4795 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(116, 204, 104)` looks like.

```
.text, #text, p{  
    color:rgb(116, 204, 104)  
}
```

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(116, 204, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 204, 104) }
```

Border

The CSS property to change the border of an element to Yxy 47.8982, 0.3133, 0.4795 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(116, 204, 104) }
```

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

```
.border{ border-color:rgb(116, 204, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 204, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 204, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 204, 104);  
box-shadow:4px 4px 4px 4px rgb(116, 204,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8982, 0.3133, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 204, 104) }
```

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

```
.background{ background-color: rgb(116,  
204, 104) }
```

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