

Converting Colors

$Yxy(46.4976, 0.3239, 0.4683)$

Have a look what the booklet for
Yxy(46.4976, 0.3239, 0.4683)
contains.

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Color

Yxy(46.6126, 0.3235, 0.4687)

Conversions

Conversions Part 1

Format	Color
Hex	82C769
RGB	130, 199, 105
RGB Percent	51%, 78%, 41%
CMY	0.4904, 0.2196, 0.5882
CMYK	0.35, 0.00, 0.47, 0.22
HSL	104°, 46%, 60%
HSV	104°, 47%, 78%
XYZ	32.1723, 46.6126, 20.6659
YIQ	167.6530, -10.9500, -43.8620

Conversions

Conversions Part 2

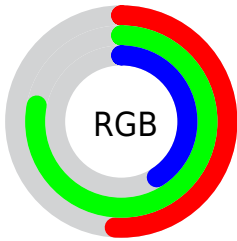
Format	Color
RYB	105, 199, 174
Decimal	8570729
CIELab	73.94, -39.22, 40.13
CIELCh	74, 56.115, 134.340
Yxy	46.6126, 0.3235, 0.4687
Android (android.graphics.Color)	4286760809 (0xFF82C769)
YUV	167.6530, -30.8879, -33.0217
Hunter-Lab	68.2734, -35.3643, 29.8447

Details

The Yxy color **46.6126, 0.3235, 0.4687** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.2351, 0.2909, 0.2059**, and the grayscale version is **39.1319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4277, 0.3239, 0.4398**, and **22.0631, 0.3208, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **45.1774, 0.3237, 0.5011**, and if you desaturate by 10%, it is **48.3118, 0.3223, 0.4358**.

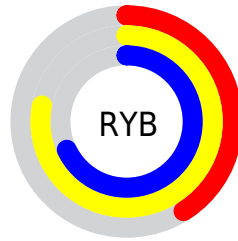
Distribution



Red (51%)

Green (78%)

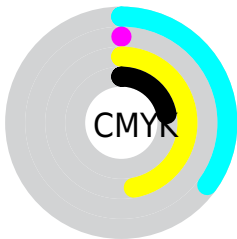
Blue (41%)



Red (41%)

Yellow (78%)

Blue (68%)

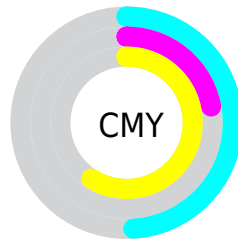


Cyan (35%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (49%)


Magenta (22%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6126, 0.3235, 0.4687 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 46.6126, 0.3235, 0.4687 by changing the saturation by 10% instead.


 46.6126, 0.3235,
0.4687

 46.6126, 0.3235,
0.4687


373.2661, 0.3213,
0.3949


 32.7295, 0.3228,
0.4880


 85.1351, 0.3236,
0.4412

 21.9193, 0.3210,
0.5131


 110.5432, 0.3233,
0.4310

 13.7976, 0.3171,
0.5467


 140.5619, 0.3230,
0.4225

 7.9800, 0.3084,
0.5933

 175.5754, 0.3227,
0.4153

 4.0822, 0.3003,
0.6862

215.9682, 0.3223,
0.4091

 1.7196, 0.2286,
0.7714

262.1246, 0.3219,

 0.4363, 0.0000,

0.4038

1.0000

314.4291, 0.3216,
0.3991

■ 0.0000, 0.0000,
0.0000

■ 46.6126, 0.3235,
0.4687

■ 46.6126, 0.3235,
0.4687

■ 45.1774, 0.3237,
0.5011

■ 48.3118, 0.3223,
0.4358

■ 43.9867, 0.3226,
0.5311

■ 50.2817, 0.3203,
0.4040

■ 43.0272, 0.3202,
0.5567


■ 52.5360, 0.3177,
0.3742


■ 42.2822, 0.3166,
0.5761

■ 55.0857, 0.3149,
0.3470

■ 41.7304, 0.3121,
0.5885


■ 57.9413, 0.3119,
0.3225

 41.6048, 0.3110,
0.5913

 61.1128, 0.3089,
0.3008

 64.6095, 0.3059,
0.2817

 67.8327, 0.3093,
0.2732

 69.3335, 0.3153,
0.2742

Harmonies

Analogous

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



46.6126, 0.3962, 0.4651



46.6126, 0.3235, 0.4687



46.6126, 0.2518, 0.4157

Triad

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



46.6126, 0.3235, 0.4687



46.6126, 0.1869, 0.2216



46.6126, 0.4362, 0.3095

Complementary

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



46.6126, 0.3235, 0.4687



23.2351, 0.2909, 0.2059

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.



46.6126, 0.3655, 0.2600



46.6126, 0.3235, 0.4687



46.6126, 0.2229, 0.2110

Square

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



46.6126, 0.3235, 0.4687



46.6126, 0.1790, 0.2613



46.6126, 0.2858, 0.2252



46.6126, 0.4676, 0.3661

Rectangle

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



46.6126, 0.3235, 0.4687



46.6126, 0.2145, 0.3602



46.6126, 0.2858, 0.2252



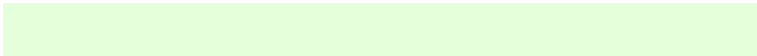
46.6126, 0.4157, 0.2919

Sweetspot

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



46.6146, 0.3235, 0.4687



93.2705, 0.3169, 0.3657



43.4147, 0.3956, 0.4166



19.7621, 0.3175, 0.3718



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.



46.6146, 0.3235, 0.4687



78.9534, 0.3237, 0.5030



45.3876, 0.2929, 0.4419



12.0217, 0.3155, 0.3526



26.7854, 0.3118, 0.5906



1.3048, 0.3279, 0.5779

Inverse Universe

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



23.2351, 0.2909, 0.2059



32.9629, 0.2840, 0.1799



25.4251, 0.3429, 0.2385



10.6696, 0.3096, 0.3059



6.6380, 0.2552, 0.1180



0.3482, 0.2695, 0.1258

Previews

White Background



This preview shows how the Yxy color 46.6126, 0.3235, 0.4687 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 46.6126, 0.3235, 0.4687 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 46.6126, 0.3235, 0.4687

Background



This preview shows how black text looks on a background with the Yxy color 46.6126, 0.3235, 0.4687.



This preview shows how white text looks on a background with the Yxy color 46.6126, 0.3235, 0.4687.

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

46.6126, 0.3235, 0.4687

Protanopia

46.0907, 0.3960, 0.4312

Deuteranopia

46.0949, 0.4104, 0.4023



Tritanopia

46.4813, 0.2709, 0.3086

Trichromacy



Original Color

46.6126, 0.3235, 0.4687



Protanomaly

45.9047, 0.3673, 0.4462



Deuteranomaly

45.1248, 0.3766, 0.4250



Tritanomaly

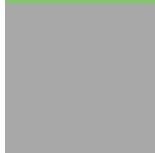
46.1520, 0.2910, 0.3649

Monochromacy



Original Color

46.6126, 0.3235, 0.4687



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.1546, 0.3181, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6126, 0.3235, 0.4687 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(130, 199, 105)` looks like.

```
.text, #text, p{  
    color:rgb(130, 199, 105)  
}
```

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(130, 199, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 199, 105) }
```

Border

The CSS property to change the border of an element to Yxy 46.6126, 0.3235, 0.4687 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(130, 199, 105) }
```

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

```
.border{ border-color:rgb(130, 199, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 199, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 199, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 199, 105);  
box-shadow:4px 4px 4px 4px rgb(130, 199,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6126, 0.3235, 0.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 199, 105) }
```

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

```
.background{ background-color: rgb(130,  
199, 105) }
```

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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