

Converting Colors

Yxy(46.6570, 0.3133, 0.5098)

Have a look what the booklet for
Yxy(46.6570, 0.3133, 0.5098)
contains.

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Color

Yxy(46.6083, 0.3133, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	65CC55
RGB	101, 204, 85
RGB Percent	40%, 80%, 33%
CMY	0.6037, 0.2000, 0.6666
CMYK	0.50, 0.00, 0.58, 0.20
HSL	112°, 54%, 57%
HSV	112°, 58%, 80%
XYZ	28.6041, 46.6083, 16.0869
YIQ	159.6370, -23.1890, -58.8450

Conversions

Conversions Part 2

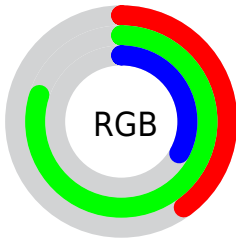
Format	Color
RYB	85, 204, 188
Decimal	6671445
CIELab	73.94, -52.60, 49.34
CIELCh	74, 72.115, 136.833
Yxy	46.6083, 0.3133, 0.5105
Android (android.graphics.Color)	4284861525 (0xFF65CC55)
YUV	159.6370, -36.7960, -51.4246
Hunter-Lab	68.2703, -44.6845, 33.8183

Details

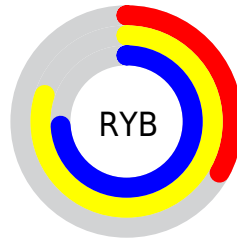
The Yxy color **46.6083, 0.3133, 0.5105** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **21.5475, 0.3010, 0.1860**, and the grayscale version is **35.1658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7259, 0.3175, 0.4690**, and **21.9871, 0.3041, 0.5687** is the 20% darker color. If you saturate the color by 10%, you get **45.4189, 0.3116, 0.5414**, and if you desaturate by 10%, it is **48.1139, 0.3144, 0.4767**.

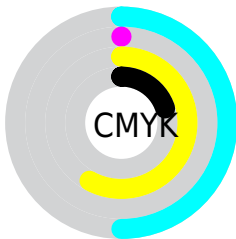
Distribution



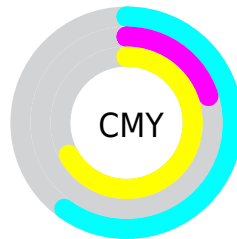
- Red (40%)
- Green (80%)
- Blue (33%)



- Red (33%)
- Yellow (80%)
- Blue (74%)



- Cyan (50%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)




- Cyan (60%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6083, 0.3133, 0.5105 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 46.6083, 0.3133, 0.5105 by changing the saturation by 10% instead.


 46.6083, 0.3133,
0.5105


 46.6083, 0.3133,
0.5105

373.2488, 0.3185,
0.4136

 32.7261, 0.3098,
0.5358


 85.1286, 0.3167,
0.4743

 21.9167, 0.3039,
0.5684


 110.5356, 0.3175,
0.4609

 13.7957, 0.2936,
0.6114


 140.5529, 0.3180,
0.4498

 7.9787, 0.2751,
0.6709

 175.5650, 0.3183,
0.4403

 4.0813, 0.2415,
0.7585

 215.9562, 0.3185,
0.4322

 1.7192, 0.0960,
0.9040

262.1110, 0.3185,


 0.4360, 0.0000,

0.4252

1.0000


314.4138, 0.3185,
0.4191


 0.0000, 0.0000,
0.0000


 46.6083, 0.3133,
0.5105


 46.6083, 0.3133,
0.5105


 45.4189, 0.3116,
0.5414

 48.1139, 0.3144,
0.4767

 44.5175, 0.3092,
0.5670


 49.9501, 0.3148,
0.4422

 43.8804, 0.3065,
0.5853

 52.1372, 0.3147,
0.4089

 43.4747, 0.3037,
0.5959

 54.6923, 0.3142,
0.3780

 43.4241, 0.3034,
0.5973

 57.6314, 0.3135,
0.3499

■ 60.9696, 0.3126,
0.3250

■ 64.7210, 0.3115,
0.3032

■ 68.8992, 0.3104,
0.2841

■ 71.6645, 0.3151,
0.2791

Harmonies

Analogous

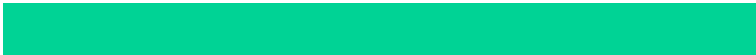
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6083, 0.4043, 0.5023



46.6083, 0.3133, 0.5105



46.6083, 0.2269, 0.4348

Triad

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



46.6083, 0.3133, 0.5105



46.6083, 0.1613, 0.1933



46.6083, 0.4767, 0.3068

Complementary

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



46.6083, 0.3133, 0.5105



21.5475, 0.3010, 0.1860

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.



46.6083, 0.3878, 0.2476



46.6083, 0.3133, 0.5105



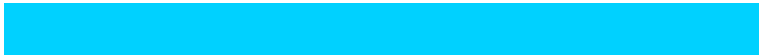
46.6083, 0.2061, 0.1852

Square

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



46.6083, 0.3133, 0.5105



46.6083, 0.1488, 0.2355



46.6083, 0.2849, 0.2047



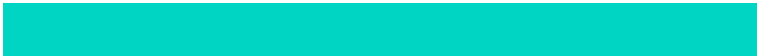
46.6083, 0.5088, 0.3737

Rectangle

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



46.6083, 0.3133, 0.5105



46.6083, 0.1843, 0.3578



46.6083, 0.2849, 0.2047



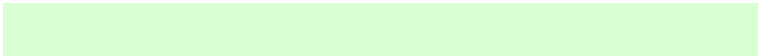
46.6083, 0.4518, 0.2859

Sweetspot

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



46.6103, 0.3133, 0.5105



91.0827, 0.3142, 0.3747



48.6747, 0.4068, 0.4487



19.2972, 0.3143, 0.3808



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.



46.6103, 0.3133, 0.5105



74.7894, 0.3110, 0.5486



46.6403, 0.2824, 0.4519



12.6082, 0.3136, 0.3528



27.3560, 0.3039, 0.5969



1.4355, 0.3141, 0.5888

Inverse Universe

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



21.5475, 0.3010, 0.1860



29.4393, 0.2970, 0.1631



21.9588, 0.3715, 0.2351



11.3242, 0.3117, 0.3060



8.6213, 0.2874, 0.1357



0.4665, 0.2943, 0.1395

Previews

White Background



This preview shows how the Yxy color 46.6083, 0.3133, 0.5105 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 46.6083, 0.3133, 0.5105 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 46.6083, 0.3133, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 46.6083, 0.3133, 0.5105.



This preview shows how white text looks on a background with the Yxy color 46.6083, 0.3133, 0.5105.

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

46.6083, 0.3133, 0.5105

Protanopia

46.0153, 0.4121, 0.4517

Deuteranopia

45.6854, 0.4265, 0.4183



Tritanopia

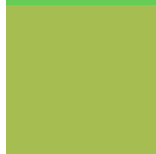
46.2022, 0.2556, 0.3067

Trichromacy



Original Color

46.6083, 0.3133, 0.5105



Protanomaly

44.9886, 0.3713, 0.4746



Deuteranomaly

44.3834, 0.3790, 0.4527



Tritanomaly

45.9061, 0.2777, 0.3784

Monochromacy



Original Color

46.6083, 0.3133, 0.5105



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.2331, 0.3147, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6083, 0.3133, 0.5105 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(101, 204, 85)` looks like.

```
.text, #text, p{  
    color:rgb(101, 204, 85)  
}
```

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(101, 204, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 204, 85) }
```

Border

The CSS property to change the border of an element to Yxy 46.6083, 0.3133, 0.5105 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(101, 204, 85) }
```

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

```
.border{ border-color:rgb(101, 204, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 204, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 204, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 204, 85);  
box-shadow:4px 4px 4px 4px rgb(101, 204,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6083, 0.3133, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 204, 85) }
```

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

```
.background{ background-color: rgb(101,  
204, 85) }
```

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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