

Converting Colors

$Yxy(46.3066, 0.3062, 0.4655)$

Have a look what the booklet for
Yxy(46.3066, 0.3062, 0.4655)
contains.

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Color

Yxy(46.3879, 0.3063, 0.4659)

Conversions

Conversions Part 1

Format	Color
Hex	70C970
RGB	112, 201, 112
RGB Percent	44%, 79%, 44%
CMY	0.5607, 0.2118, 0.5607
CMYK	0.44, 0.00, 0.44, 0.21
HSL	120°, 45%, 61%
HSV	120°, 44%, 79%
XYZ	30.4971, 46.3879, 22.6812
YIQ	164.2430, -24.4750, -46.5470

Conversions

Conversions Part 2

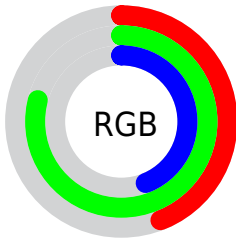
Format	Color
RYB	112, 201, 201
Decimal	7391600
CIELab	73.80, -44.75, 36.26
CIELCh	74, 57.600, 140.981
Yxy	46.3879, 0.3063, 0.4659
Android (android.graphics.Color)	4285581680 (0xFF70C970)
YUV	164.2430, -25.7558, -45.8171
Hunter-Lab	68.1087, -39.2629, 27.9316

Details

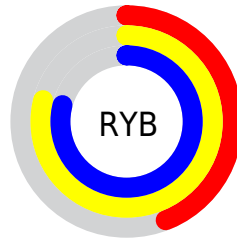
The Yxy color **46.3879, 0.3063, 0.4659** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.2260, 0.3177, 0.2219**, and the grayscale version is **37.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5614, 0.3094, 0.4352**, and **21.7178, 0.2992, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **44.8160, 0.3046, 0.5015**, and if you desaturate by 10%, it is **48.3579, 0.3080, 0.4305**.

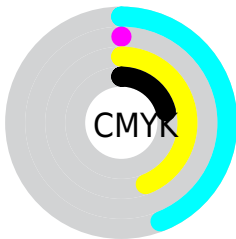
Distribution



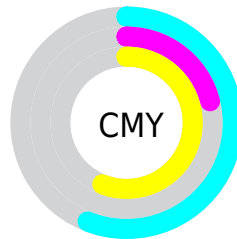
- Red (44%)
- Green (79%)
- Blue (44%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3879, 0.3063, 0.4659 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 46.3879, 0.3063, 0.4659 by changing the saturation by 10% instead.


 46.3879, 0.3063,
0.4659


 46.3879, 0.3063,
0.4659


372.3659, 0.3125,
0.3930


 32.5520, 0.3036,
0.4853


 84.7992, 0.3093,
0.4384


 21.7835, 0.2995,
0.5108


 110.1435, 0.3102,
0.4284

 13.6979, 0.2926,
0.5456


 140.0926, 0.3109,
0.4200

 7.9109, 0.2803,
0.5948

 175.0311, 0.3114,
0.4129

 4.0380, 0.2617,
0.6820

215.3433, 0.3118,
0.4069

 1.6948, 0.1749,
0.8251

261.4135, 0.3120,

 0.4203, 0.0000,

0.4016

1.0000

313.6263, 0.3123,
0.3970

0.0000, 0.0000,
0.0000

46.3879, 0.3063,
0.4659

46.3879, 0.3063,
0.4659

44.8160, 0.3046,
0.5015

48.3579, 0.3080,
0.4305

43.6097, 0.3031,
0.5349

50.7443, 0.3095,
0.3970

42.7413, 0.3017,
0.5631

53.5710, 0.3110,
0.3665


42.1763, 0.3008,
0.5838

56.8588, 0.3122,
0.3395

41.8730, 0.3002,
0.5959

60.6269, 0.3133,
0.3159

 41.7728, 0.3000,
0.6000

 64.8935, 0.3143,
0.2955

 69.6759, 0.3151,
0.2780

 70.2527, 0.3152,
0.2762

Harmonies

Analogous

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



46.3879, 0.3824, 0.4741



46.3879, 0.3063, 0.4659



46.3879, 0.2361, 0.4001

Triad

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



46.3879, 0.3063, 0.4659



46.3879, 0.1896, 0.2142



46.3879, 0.4510, 0.3212

Complementary

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



46.3879, 0.3063, 0.4659



28.2260, 0.3177, 0.2219

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.



46.3879, 0.3850, 0.2685



46.3879, 0.3063, 0.4659



46.3879, 0.2326, 0.2095

Square

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



46.3879, 0.3063, 0.4659



46.3879, 0.1751, 0.2475



46.3879, 0.3022, 0.2290



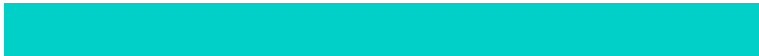
46.3879, 0.4719, 0.3795

Rectangle

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



46.3879, 0.3063, 0.4659



46.3879, 0.2021, 0.3414



46.3879, 0.3022, 0.2290



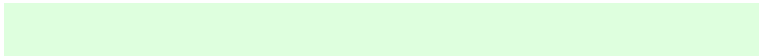
46.3879, 0.4330, 0.3026

Sweetspot

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



46.3898, 0.3063, 0.4659



92.2924, 0.3111, 0.3634



54.6723, 0.3786, 0.4353



19.5040, 0.3108, 0.3699



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.



46.3898, 0.3063, 0.4659



76.8559, 0.3047, 0.4997



47.5863, 0.2802, 0.3982



11.8879, 0.3116, 0.3529



26.2656, 0.3000, 0.6000



1.2437, 0.3000, 0.6000

Inverse Universe

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



28.2260, 0.3177, 0.2219



41.8740, 0.3187, 0.2022



26.4788, 0.3676, 0.2699



10.8166, 0.3138, 0.3062



10.4572, 0.3209, 0.1541



0.4952, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 46.3879, 0.3063, 0.4659 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 46.3879, 0.3063, 0.4659 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 46.3879, 0.3063, 0.4659

Background



This preview shows how black text looks on a background with the Yxy color 46.3879, 0.3063, 0.4659.



This preview shows how white text looks on a background with the Yxy color 46.3879, 0.3063, 0.4659.

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

46.3879, 0.3063, 0.4659

Protanopia

45.6478, 0.3919, 0.4248

Deuteranopia

45.4359, 0.4013, 0.3930



Tritanopia

46.1084, 0.2590, 0.3068

Trichromacy



Original Color

46.3879, 0.3063, 0.4659



Protanomaly

45.2435, 0.3567, 0.4413



Deuteranomaly

44.5929, 0.3622, 0.4201



Tritanomaly

45.8472, 0.2761, 0.3612

Monochromacy



Original Color

46.3879, 0.3063, 0.4659



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.5084, 0.3105, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3879, 0.3063, 0.4659 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(112, 201, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 201, 112)  
}
```

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(112, 201, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 201, 112) }
```

Border

The CSS property to change the border of an element to Yxy 46.3879, 0.3063, 0.4659 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(112, 201, 112) }
```

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

```
.border{ border-color:rgb(112, 201, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 201, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 201, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 201, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 201,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3879, 0.3063, 0.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 201, 112) }
```

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

```
.background{ background-color: rgb(112,  
201, 112) }
```

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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