

Converting Colors

Yxy(45.9013, 0.3118, 0.4836)

Have a look what the booklet for
Yxy(45.9013, 0.3118, 0.4836)
contains.

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Color

Yxy(46.0084, 0.3118, 0.4843)

Conversions

Conversions Part 1

Format	Color
Hex	6EC964
RGB	110, 201, 100
RGB Percent	43%, 79%, 39%
CMY	0.5684, 0.2118, 0.6079
CMYK	0.45, 0.00, 0.50, 0.21
HSL	114°, 48%, 59%
HSV	114°, 50%, 79%
XYZ	29.6209, 46.0084, 19.3705
YIQ	162.2770, -21.8150, -50.7030

Conversions

Conversions Part 2

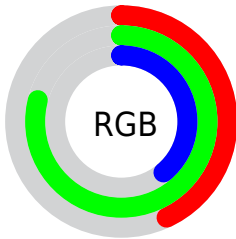
Format	Color
RYB	100, 201, 191
Decimal	7260516
CIELab	73.55, -47.00, 41.91
CIELCh	74, 62.977, 138.275
Yxy	46.0084, 0.3118, 0.4843
Android (android.graphics.Color)	4285450596 (0xFF6EC964)
YUV	162.2770, -30.7026, -45.8469
Hunter-Lab	67.8295, -40.7512, 30.5489

Details

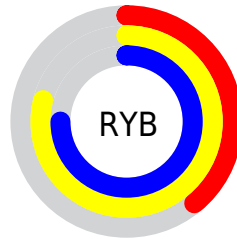
The Yxy color **46.0084, 0.3118, 0.4843** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.3951, 0.3073, 0.2050**, and the grayscale version is **36.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9269, 0.3143, 0.4499**, and **21.5096, 0.3049, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **44.6228, 0.3104, 0.5181**, and if you desaturate by 10%, it is **47.7310, 0.3127, 0.4495**.

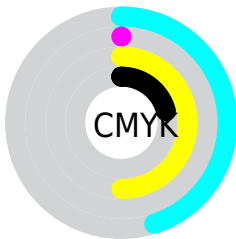
Distribution



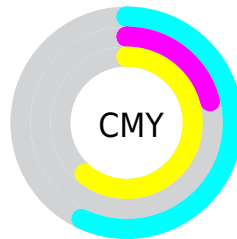
- Red (43%)
- Green (79%)
- Blue (39%)



- Red (39%)
- Yellow (79%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)




- Cyan (57%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0084, 0.3118, 0.4843 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 46.0084, 0.3118, 0.4843 by changing the saturation by 10% instead.

 46.0084, 0.3118,
0.4843

 46.0084, 0.3118,
0.4843


370.8424, 0.3161,
0.4014


 32.2525, 0.3092,
0.5062


 84.2316, 0.3145,
0.4531


 21.5544, 0.3048,
0.5349


 109.4676, 0.3151,
0.4417

 13.5298, 0.2971,
0.5735


 139.2991, 0.3155,
0.4322

 7.7944, 0.2827,
0.6270

 174.1104, 0.3158,
0.4241

 3.9637, 0.2653,
0.7347

214.2860, 0.3160,
0.4172

 1.6533, 0.1441,
0.8559

260.2103, 0.3161,

 0.3931, 0.0000,

0.4112

1.0000

312.2676, 0.3161,
0.4060

0.0000, 0.0000,
0.0000

46.0084, 0.3118,
0.4843

46.0084, 0.3118,
0.4843

44.6228, 0.3104,
0.5181

47.7310, 0.3127,
0.4495

43.5465, 0.3086,
0.5483

49.8045, 0.3131,
0.4156

42.7573, 0.3065,
0.5727

52.2490, 0.3132,
0.3839

42.2272, 0.3041,
0.5892

55.0815, 0.3131,
0.3551

41.9215, 0.3022,
0.5983

58.3179, 0.3127,
0.3296

■ 61.9731, 0.3122,
0.3072

■ 66.0615, 0.3117,
0.2878

■ 70.2187, 0.3151,
0.2762

■ 70.2525, 0.3152,
0.2762

Harmonies

Analogous

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



46.0084, 0.3937, 0.4849



46.0084, 0.3118, 0.4843



46.0084, 0.2346, 0.4160

Triad

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



46.0084, 0.3118, 0.4843



46.0084, 0.1774, 0.2065



46.0084, 0.4595, 0.3138

Complementary

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



46.0084, 0.3118, 0.4843



24.3951, 0.3073, 0.2050

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.



46.0084, 0.3836, 0.2587



46.0084, 0.3118, 0.4843



46.0084, 0.2203, 0.1996

Square

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



46.0084, 0.3118, 0.4843



46.0084, 0.1646, 0.2445



46.0084, 0.2930, 0.2184



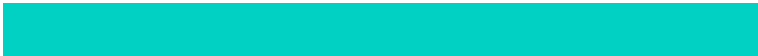
46.0084, 0.4866, 0.3757

Rectangle

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



46.0084, 0.3118, 0.4843



46.0084, 0.1965, 0.3506



46.0084, 0.2930, 0.2184



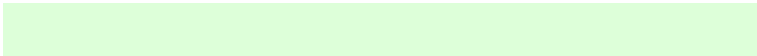
46.0084, 0.4383, 0.2944

Sweetspot

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



46.0103, 0.3118, 0.4843



91.8203, 0.3132, 0.3690



50.5535, 0.3913, 0.4396



19.4346, 0.3132, 0.3752



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.



46.0103, 0.3118, 0.4843



76.2784, 0.3103, 0.5200



46.3857, 0.2820, 0.4233



11.9376, 0.3131, 0.3528



26.3780, 0.3026, 0.5979



1.2666, 0.3110, 0.5912

Inverse Universe

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



24.3951, 0.3073, 0.2050



35.2046, 0.3052, 0.1832



24.0868, 0.3671, 0.2523



10.7609, 0.3122, 0.3061



8.8486, 0.2962, 0.1405



0.4349, 0.3017, 0.1435

Previews

White Background



This preview shows how the Yxy color 46.0084, 0.3118, 0.4843 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 46.0084, 0.3118, 0.4843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

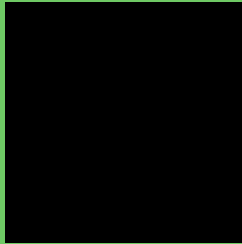
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0084, 0.3118, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 46.0084, 0.3118, 0.4843.



This preview shows how white text looks on a background with the Yxy color 46.0084, 0.3118, 0.4843.

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

46.0084, 0.3118, 0.4843

Protanopia

45.4386, 0.4000, 0.4371

Deuteranopia

45.0928, 0.4141, 0.4048



Tritanopia

45.6283, 0.2594, 0.3068

Trichromacy



Original Color

46.0084, 0.3118, 0.4843



Protanomaly

44.9180, 0.3633, 0.4556



Deuteranomaly

44.0391, 0.3727, 0.4341



Tritanomaly

45.1409, 0.2786, 0.3675

Monochromacy



Original Color

46.0084, 0.3118, 0.4843



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.7544, 0.3135, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0084, 0.3118, 0.4843 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(110, 201, 100)` looks like.

```
.text, #text, p{  
    color:rgb(110, 201, 100)  
}
```

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(110, 201, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 201, 100) }
```

Border

The CSS property to change the border of an element to Yxy 46.0084, 0.3118, 0.4843 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(110, 201, 100) }
```

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

```
.border{ border-color:rgb(110, 201, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 201, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 201, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 201, 100);  
box-shadow:4px 4px 4px 4px rgb(110, 201,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0084, 0.3118, 0.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 201, 100) }
```

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

```
.background{ background-color: rgb(110,  
201, 100) }
```

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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