

Converting Colors

$Yxy(46.0810, 0.3167, 0.4681)$

Have a look what the booklet for
Yxy(46.0810, 0.3167, 0.4681)
contains.

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Color

Yxy(46.0460, 0.3164, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	7AC76B
RGB	122, 199, 107
RGB Percent	48%, 78%, 42%
CMY	0.5215, 0.2196, 0.5804
CMYK	0.39, 0.00, 0.46, 0.22
HSL	110°, 45%, 60%
HSV	110°, 46%, 78%
XYZ	31.1037, 46.0460, 21.1552
YIQ	165.4890, -16.3600, -44.9360

Conversions

Conversions Part 2

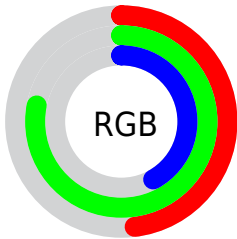
Format	Color
RYB	107, 199, 184
Decimal	8046443
CIELab	73.58, -41.54, 38.60
CIELCh	74, 56.710, 137.102
Yxy	46.0460, 0.3164, 0.4684
Android (android.graphics.Color)	4286236523 (0xFF7AC76B)
YUV	165.4890, -28.8351, -38.1399
Hunter-Lab	67.8572, -36.9312, 29.0158

Details

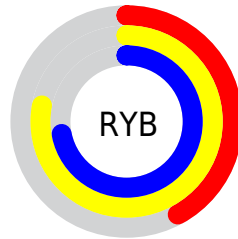
The Yxy color **46.0460, 0.3164, 0.4684** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.8259, 0.3017, 0.2120**, and the grayscale version is **38.0226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5230, 0.3179, 0.4392**, and **21.4352, 0.3118, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **44.5629, 0.3157, 0.5022**, and if you desaturate by 10%, it is **47.8377, 0.3164, 0.4344**.

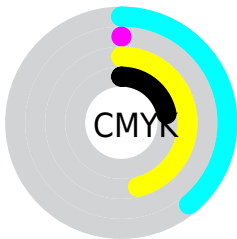
Distribution



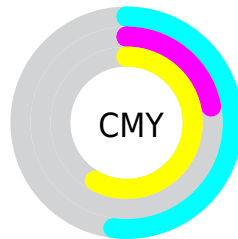
- Red (48%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (72%)



- Cyan (39%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0460, 0.3164, 0.4684 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 46.0460, 0.3164, 0.4684 by changing the saturation by 10% instead.


 46.0460, 0.3164,
0.4684

 46.0460, 0.3164,
0.4684

370.9936, 0.3177,
0.3944

 32.2821, 0.3149,
0.4880


 84.2878, 0.3177,
0.4406

 21.5771, 0.3121,
0.5135


 109.5346, 0.3179,
0.4304

 13.5465, 0.3068,
0.5481


 139.3777, 0.3180,
0.4219

 7.8059, 0.2964,
0.5965

 174.2017, 0.3180,
0.4147

 3.9710, 0.2843,
0.6909

214.3909, 0.3180,
0.4085

 1.6574, 0.2000,
0.8000

260.3297, 0.3179,

 0.3958, 0.0000,

0.4032

1.0000

312.4024, 0.3178,
0.3985

0.0000, 0.0000,
0.0000

46.0460, 0.3164,
0.4684

46.0460, 0.3164,
0.4684

44.5629, 0.3157,
0.5022

47.8377, 0.3164,
0.4344

43.3652, 0.3142,
0.5336

49.9481, 0.3158,
0.4019

42.4357, 0.3119,
0.5604


52.3938, 0.3148,
0.3717


41.7529, 0.3090,
0.5805

55.1889, 0.3136,
0.3445

41.2912, 0.3057,
0.5929

58.3463, 0.3122,
0.3202

 41.1632, 0.3047,
0.5963

 61.8785, 0.3107,
0.2990

 65.7972, 0.3092,
0.2804

 69.3284, 0.3153,
0.2742

Harmonies

Analogous

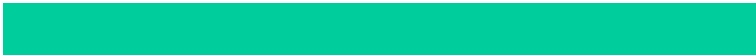
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0460, 0.3908, 0.4694



46.0460, 0.3164, 0.4684



46.0460, 0.2450, 0.4098

Triad

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



46.0460, 0.3164, 0.4684



46.0460, 0.1875, 0.2180



46.0460, 0.4429, 0.3142

Complementary

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



46.0460, 0.3164, 0.4684



24.8259, 0.3017, 0.2120

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.



46.0460, 0.3738, 0.2632



46.0460, 0.3164, 0.4684



46.0460, 0.2265, 0.2099

Square

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



46.0460, 0.3164, 0.4684



46.0460, 0.1769, 0.2552



46.0460, 0.2923, 0.2264



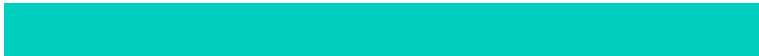
46.0460, 0.4702, 0.3717

Rectangle

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



46.0460, 0.3164, 0.4684



46.0460, 0.2089, 0.3526



46.0460, 0.2923, 0.2264



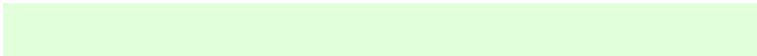
46.0460, 0.4234, 0.2961

Sweetspot

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



46.0480, 0.3164, 0.4684



92.6782, 0.3146, 0.3659



47.3472, 0.3885, 0.4251



19.6194, 0.3148, 0.3722



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.



46.0480, 0.3164, 0.4684



78.1247, 0.3158, 0.5008



45.7989, 0.2876, 0.4242



11.9696, 0.3140, 0.3527



26.4935, 0.3053, 0.5958



1.2813, 0.3177, 0.5859

Inverse Universe

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



24.8259, 0.3017, 0.2120



36.5988, 0.2982, 0.1899



25.4957, 0.3533, 0.2508



10.7256, 0.3112, 0.3061



7.9332, 0.2803, 0.1318



0.3997, 0.2893, 0.1367

Previews

White Background



This preview shows how the Yxy color 46.0460, 0.3164, 0.4684 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 46.0460, 0.3164, 0.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

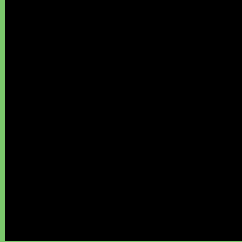
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0460, 0.3164, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 46.0460, 0.3164, 0.4684.



This preview shows how white text looks on a background with the Yxy color 46.0460, 0.3164, 0.4684.

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

46.0460, 0.3164, 0.4684

Protanopia

45.5684, 0.3949, 0.4294

Deuteranopia

45.4717, 0.4066, 0.3984



Tritanopia

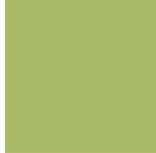
45.8537, 0.2662, 0.3084

Trichromacy



Original Color

46.0460, 0.3164, 0.4684



Protanomaly

45.0660, 0.3627, 0.4442



Deuteranomaly

44.5487, 0.3703, 0.4242



Tritanomaly

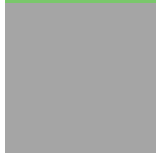
45.5130, 0.2846, 0.3639

Monochromacy



Original Color

46.0460, 0.3164, 0.4684



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.8475, 0.3147, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0460, 0.3164, 0.4684 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(122, 199, 107)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 107)  
}
```

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(122, 199, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.0460, 0.3164, 0.4684 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(122, 199, 107) }
```

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

```
.border{ border-color:rgb(122, 199, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 199, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 199, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 199, 107);  
box-shadow:4px 4px 4px 4px rgb(122, 199,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0460, 0.3164, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 199, 107) }
```

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

```
.background{ background-color: rgb(122,  
199, 107) }
```

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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