

Converting Colors

$Yxy(46.6119, 0.3088, 0.4555)$

Have a look what the booklet for
Yxy(46.6119, 0.3088, 0.4555)
contains.

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Color

Yxy(46.5860, 0.3088, 0.4552)

Conversions

Conversions Part 1

Format	Color
Hex	78C875
RGB	120, 200, 117
RGB Percent	47%, 78%, 46%
CMY	0.5297, 0.2156, 0.5412
CMYK	0.40, 0.00, 0.42, 0.22
HSL	118°, 43%, 62%
HSV	118°, 42%, 78%
XYZ	31.6032, 46.5860, 24.1527
YIQ	166.6180, -21.0370, -42.7730

Conversions

Conversions Part 2

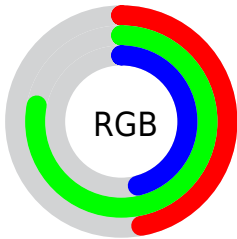
Format	Color
RYB	117, 200, 197
Decimal	7915637
CIELab	73.92, -41.21, 33.97
CIELCh	74, 53.410, 140.500
Yxy	46.5860, 0.3088, 0.4552
Android (android.graphics.Color)	4286105717 (0xFF78C875)
YUV	166.6180, -24.4617, -40.8840
Hunter-Lab	68.2539, -36.7948, 26.7971

Details

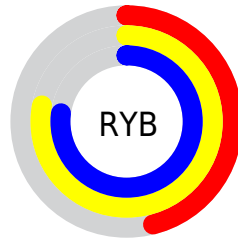
The Yxy color **46.5860, 0.3088, 0.4552** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.7722, 0.3144, 0.2271**, and the grayscale version is **38.5699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6524, 0.3116, 0.4278**, and **21.7799, 0.3033, 0.4960** is the 20% darker color. If you saturate the color by 10%, you get **44.9244, 0.3074, 0.4907**, and if you desaturate by 10%, it is **48.6299, 0.3101, 0.4205**.

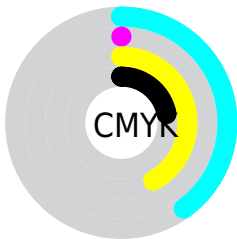
Distribution



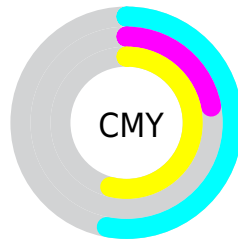
- Red (47%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5860, 0.3088, 0.4552 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 46.5860, 0.3088, 0.4552 by changing the saturation by 10% instead.


 46.5860, 0.3088,
0.4552

 46.5860, 0.3088,
0.4552


373.1596, 0.3133,
0.3882

 32.7085, 0.3067,
0.4730


 85.0953, 0.3111,
0.4300

 21.9032, 0.3035,
0.4963


 110.4959, 0.3117,
0.4208

 13.7858, 0.2980,
0.5281


 140.5063, 0.3122,
0.4131

 7.9718, 0.2880,
0.5735

175.5110, 0.3126,
0.4066

 4.0769, 0.2710,
0.6482

215.8942, 0.3128,
0.4011

 1.7167, 0.2110,
0.7890

262.0405, 0.3130,

 0.4344, 0.0000,

0.3962

1.0000

314.3341, 0.3131,
0.3920

0.0000, 0.0000,
0.0000

46.5860, 0.3088,
0.4552

46.5860, 0.3088,
0.4552

44.9244, 0.3074,
0.4907

48.6299, 0.3101,
0.4205

43.6159, 0.3058,
0.5246

51.0716, 0.3111,
0.3880

42.6367, 0.3042,
0.5545


53.9325, 0.3120,
0.3587


41.9575, 0.3026,
0.5777

57.2313, 0.3126,
0.3326

41.5438, 0.3013,
0.5926

60.9851, 0.3131,
0.3099

 41.3614, 0.3007,
0.5995

 65.2103, 0.3135,
0.2903

 69.7929, 0.3152,
0.2752

 69.7957, 0.3152,
0.2752

Harmonies

Analogous

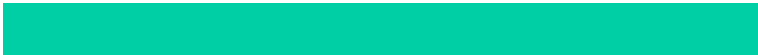
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5860, 0.3797, 0.4634



46.5860, 0.3088, 0.4552



46.5860, 0.2427, 0.3958

Triad

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



46.5860, 0.3088, 0.4552



46.5860, 0.1969, 0.2219



46.5860, 0.4401, 0.3217

Complementary

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



46.5860, 0.3088, 0.4552



28.7722, 0.3144, 0.2271

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.



46.5860, 0.3787, 0.2719



46.5860, 0.3088, 0.4552



46.5860, 0.2373, 0.2167

Square

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



46.5860, 0.3088, 0.4552



46.5860, 0.1837, 0.2544



46.5860, 0.3021, 0.2347



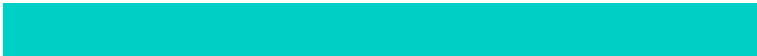
46.5860, 0.4608, 0.3768

Rectangle

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



46.5860, 0.3088, 0.4552



46.5860, 0.2102, 0.3423



46.5860, 0.3021, 0.2347



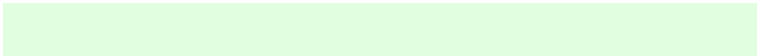
46.5860, 0.4232, 0.3041

Sweetspot

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



46.5880, 0.3088, 0.4552



93.0089, 0.3119, 0.3605



52.9843, 0.3760, 0.4262



19.7595, 0.3118, 0.3642



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.



46.5880, 0.3088, 0.4552



77.9720, 0.3075, 0.4879



47.4419, 0.2836, 0.3974



11.9055, 0.3121, 0.3528



26.3027, 0.3009, 0.5993



1.2518, 0.3040, 0.5968

Inverse Universe

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



28.7722, 0.3144, 0.2271



42.9423, 0.3144, 0.2068



27.6341, 0.3594, 0.2702



10.7968, 0.3132, 0.3062



9.8623, 0.3122, 0.1493



0.4731, 0.3141, 0.1504

Previews

White Background



This preview shows how the Yxy color 46.5860, 0.3088, 0.4552 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 46.5860, 0.3088, 0.4552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

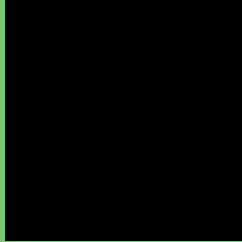
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5860, 0.3088, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 46.5860, 0.3088, 0.4552.



This preview shows how white text looks on a background with the Yxy color 46.5860, 0.3088, 0.4552.

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

46.5860, 0.3088, 0.4552

Protanopia

46.1793, 0.3867, 0.4190

Deuteranopia

45.9161, 0.3973, 0.3895



Tritanopia

46.5531, 0.2633, 0.3084

Trichromacy



Original Color

46.5860, 0.3088, 0.4552



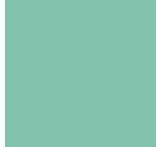
Protanomaly

45.7047, 0.3551, 0.4324



Deuteranomaly

45.0712, 0.3611, 0.4127



Tritanomaly

46.4260, 0.2801, 0.3593

Monochromacy



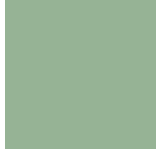
Original Color

46.5860, 0.3088, 0.4552



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.8942, 0.3115, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5860, 0.3088, 0.4552 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(120, 200, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 200, 117)  
}
```

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(120, 200, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 200, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.5860, 0.3088, 0.4552 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(120, 200, 117) }
```

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

```
.border{ border-color:rgb(120, 200, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 200, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 200, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 200, 117); box-shadow:4px 4px 4px 4px rgb(120, 200, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5860, 0.3088, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 200, 117) }
```

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

```
.background{ background-color: rgb(120,  
200, 117) }
```

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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