

Converting Colors

$Yxy(46.7317, 0.3052, 0.4460)$

Have a look what the booklet for
Yxy(46.7317, 0.3052, 0.4460)
contains.

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Color

Yxy(46.7317, 0.3052, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	78C87B
RGB	120, 200, 123
RGB Percent	47%, 78%, 48%
CMY	0.5292, 0.2157, 0.5177
CMYK	0.40, 0.00, 0.39, 0.22
HSL	122°, 42%, 63%
HSV	122°, 40%, 78%
XYZ	31.9787, 46.7317, 26.0692
YIQ	167.3020, -22.9630, -40.9070

Conversions

Conversions Part 2

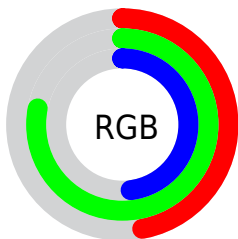
Format	Color
RYB	120, 197, 200
Decimal	7915643
CIELab	74.02, -40.25, 31.01
CIElCh	74, 50.812, 142.385
Yxy	46.7317, 0.3052, 0.4460
Android (android.graphics.Color)	4286105723 (0xFF78C87B)
YUV	167.3020, -21.8409, -41.4839
Hunter-Lab	68.3606, -36.1296, 25.2423

Details

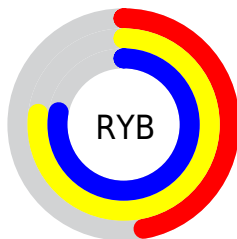
The Yxy color **46.7317, 0.3052, 0.4460** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7558, 0.3203, 0.2346**, and the grayscale version is **38.9204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7685, 0.3078, 0.4208**, and **21.8901, 0.2998, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **45.0135, 0.3033, 0.4808**, and if you desaturate by 10%, it is **48.8475, 0.3072, 0.4125**.

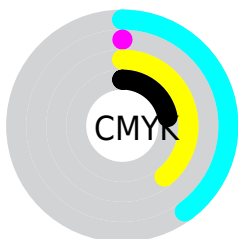
Distribution



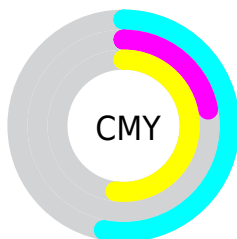
- Red (47%)
- Green (78%)
- Blue (48%)



- Red (47%)
- Yellow (77%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7317, 0.3052, 0.4460 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 46.7317, 0.3052, 0.4460 by changing the saturation by 10% instead.


 46.7317, 0.3052,
0.4460

 46.7317, 0.3052,
0.4460


373.7426, 0.3111,
0.3840


 32.8236, 0.3029,
0.4625


 85.3130, 0.3079,
0.4227

 21.9913, 0.2995,
0.4842


 110.7550, 0.3087,
0.4142

 13.8505, 0.2940,
0.5138


 140.8104, 0.3094,
0.4071

 8.0168, 0.2845,
0.5564

175.8636, 0.3099,
0.4010

 4.1057, 0.2668,
0.6229

216.2991, 0.3103,
0.3959

 1.7329, 0.2213,
0.7787

262.5011, 0.3106,

 0.4448, 0.0000,

0.3914

1.0000

314.8541, 0.3109,
0.3875

0.0000, 0.0000,
0.0000

46.7317, 0.3052,
0.4460

46.7317, 0.3052,
0.4460

45.0135, 0.3033,
0.4808

48.8475, 0.3072,
0.4125

43.6625, 0.3017,
0.5148

51.3771, 0.3091,
0.3814

42.6538, 0.3004,
0.5457


54.3431, 0.3110,
0.3535

41.9565, 0.2996,
0.5709


57.7649, 0.3127,
0.3290


41.5346, 0.2994,
0.5884

61.6603, 0.3143,
0.3076

 41.3243, 0.2994,
0.5979

 66.0466, 0.3157,
0.2891

 41.3240, 0.2994,
0.5979

 69.7878, 0.3152,
0.2752

Harmonies

Analogous

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



46.7317, 0.3732, 0.4578



46.7317, 0.3052, 0.4460



46.7317, 0.2428, 0.3877

Triad

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



46.7317, 0.3052, 0.4460



46.7317, 0.2035, 0.2256



46.7317, 0.4363, 0.3258

Complementary

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



46.7317, 0.3052, 0.4460



29.7558, 0.3203, 0.2346

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.



46.7317, 0.3800, 0.2772



46.7317, 0.3052, 0.4460



46.7317, 0.2440, 0.2219

Square

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



46.7317, 0.3052, 0.4460



46.7317, 0.1891, 0.2554



46.7317, 0.3073, 0.2405



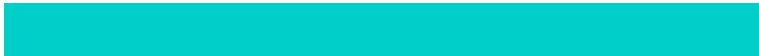
46.7317, 0.4535, 0.3789

Rectangle

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



46.7317, 0.3052, 0.4460



46.7317, 0.2126, 0.3373



46.7317, 0.3073, 0.2405



46.7317, 0.4211, 0.3087

Sweetspot

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



46.7337, 0.3052, 0.4460



92.8964, 0.3106, 0.3594



54.5802, 0.3697, 0.4278



19.7333, 0.3104, 0.3630



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.



46.7337, 0.3052, 0.4460



78.2834, 0.3035, 0.4763



47.9370, 0.2803, 0.3840



11.8941, 0.3111, 0.3520



26.2786, 0.2993, 0.5973



1.2466, 0.2966, 0.5878

Inverse Universe

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



29.7558, 0.3203, 0.2346



44.8586, 0.3221, 0.2159



28.1687, 0.3652, 0.2806



10.8096, 0.3143, 0.3071



10.2483, 0.3303, 0.1593



0.4874, 0.3282, 0.1581

Previews

White Background



This preview shows how the Yxy color 46.7317, 0.3052, 0.4460 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 46.7317, 0.3052, 0.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

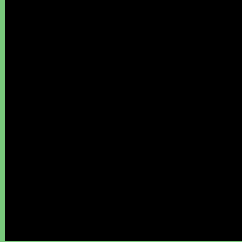
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7317, 0.3052, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 46.7317, 0.3052, 0.4460.



This preview shows how white text looks on a background with the Yxy color 46.7317, 0.3052, 0.4460.

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

46.7317, 0.3052, 0.4460

Protanopia

46.1559, 0.3818, 0.4133

Deuteranopia

45.9192, 0.3911, 0.3826



Tritanopia

46.4689, 0.2627, 0.3084

Trichromacy



Original Color

46.7317, 0.3052, 0.4460



Protanomaly

45.7095, 0.3505, 0.4260



Deuteranomaly

45.1026, 0.3554, 0.4049



Tritanomaly

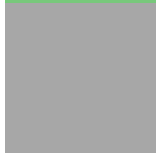
46.4245, 0.2782, 0.3564

Monochromacy



Original Color

46.7317, 0.3052, 0.4460



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.9586, 0.3099, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7317, 0.3052, 0.4460 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 200, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 200, 123) }
```

Border

The CSS property to change the border of an element to Yxy 46.7317, 0.3052, 0.4460 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, 123) }
```

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

```
.border{ border-color:rgb(120, 200, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 200, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 200, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 200,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7317, 0.3052, 0.4460 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, 123) }
```

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

```
.background{ background-color: rgb(120,  
200, 123) }
```

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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