

Converting Colors

$Yxy(45.7792, 0.3067, 0.4449)$

Have a look what the booklet for
Yxy(45.7792, 0.3067, 0.4449)
contains.

Yxy(45.8583, 0.3066, 0.4450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.8583, 0.3066, 0.4450)

Conversions

Conversions Part 1

Format	Color
Hex	79C67A
RGB	121, 198, 122
RGB Percent	47%, 78%, 48%
CMY	0.5253, 0.2235, 0.5216
CMYK	0.39, 0.00, 0.38, 0.22
HSL	121°, 40%, 63%
HSV	121°, 39%, 78%
XYZ	31.5959, 45.8583, 25.5982
YIQ	166.3130, -21.4960, -39.9600

Conversions

Conversions Part 2

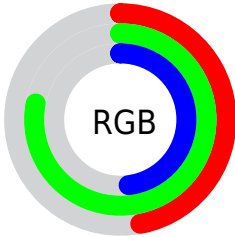
Format	Color
RYB	121, 197, 198
Decimal	7980666
CIELab	73.45, -39.21, 30.79
CIELCh	73, 49.856, 141.857
Yxy	45.8583, 0.3066, 0.4450
Android (android.graphics.Color)	4286170746 (0xFF79C67A)
YUV	166.3130, -21.8463, -39.7395
Hunter-Lab	67.7188, -35.2243, 24.9911

Details

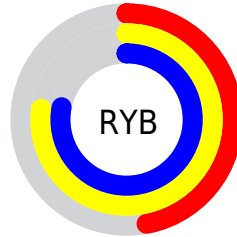
The Yxy color **45.8583, 0.3066, 0.4450** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.7222, 0.3181, 0.2352**, and the grayscale version is **38.4130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8453, 0.3089, 0.4219**, and **21.6077, 0.3014, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **44.1361, 0.3048, 0.4804**, and if you desaturate by 10%, it is **47.9755, 0.3083, 0.4109**.

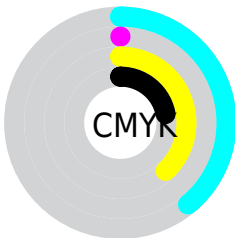
Distribution



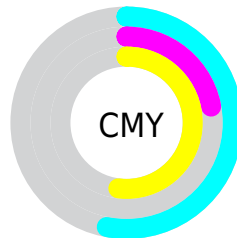
- Red (47%)
- Green (78%)
- Blue (48%)



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



- Cyan (39%)
- Magenta (0%)
- Yellow (38%)
- Black (22%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8583, 0.3066, 0.4450 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 45.8583, 0.3066, 0.4450 by changing the saturation by 10% instead.


 45.8583, 0.3066,
0.4450


 45.8583, 0.3066,
0.4450


370.2387, 0.3118,
0.3834


 32.1340, 0.3045,
0.4614


 84.0069, 0.3090,
0.4218

 21.4639, 0.3013,
0.4831


 109.2000, 0.3098,
0.4133

 13.4635, 0.2961,
0.5127


 138.9848, 0.3103,
0.4063

 7.7485, 0.2869,
0.5554

173.7458, 0.3108,
0.4003

 3.9344, 0.2699,
0.6233

213.8672, 0.3111,
0.3952

 1.6370, 0.2188,
0.7812

259.7336, 0.3114,

 0.3823, 0.0000,

0.3907

1.0000

311.7293, 0.3116,
0.3868

0.0000, 0.0000,
0.0000

45.8583, 0.3066,
0.4450

45.8583, 0.3066,
0.4450

44.1361, 0.3048,
0.4804

47.9755, 0.3083,
0.4109

42.7791, 0.3032,
0.5151

50.5037, 0.3100,
0.3794

41.7626, 0.3018,
0.5464


53.4654, 0.3115,
0.3512


41.0565, 0.3007,
0.5718


56.8793, 0.3129,
0.3264

40.6254, 0.3001,
0.5892

60.7634, 0.3141,
0.3048

 40.4121, 0.2998,
0.5985

 65.1346, 0.3151,
0.2863

 40.3928, 0.2998,
0.5993

 68.8674, 0.3153,
0.2732

Harmonies

Analogous

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



45.8583, 0.3738, 0.4560



45.8583, 0.3066, 0.4450



45.8583, 0.2446, 0.3882

Triad

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



45.8583, 0.3066, 0.4450



45.8583, 0.2042, 0.2271



45.8583, 0.4341, 0.3250

Complementary

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



45.8583, 0.3066, 0.4450



29.7222, 0.3181, 0.2352

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.



45.8583, 0.3779, 0.2770



45.8583, 0.3066, 0.4450



45.8583, 0.2439, 0.2229

Square

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



45.8583, 0.3066, 0.4450



45.8583, 0.1904, 0.2572



45.8583, 0.3062, 0.2409



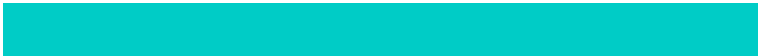
45.8583, 0.4519, 0.3776

Rectangle

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



45.8583, 0.3066, 0.4450



45.8583, 0.2144, 0.3385



45.8583, 0.3062, 0.2409



45.8583, 0.4188, 0.3082

Sweetspot

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



45.8602, 0.3066, 0.4450



92.8557, 0.3110, 0.3602



53.7744, 0.3704, 0.4244



19.7238, 0.3108, 0.3639



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.



45.8602, 0.3066, 0.4450



78.4795, 0.3050, 0.4763



46.9763, 0.2827, 0.3861



11.8900, 0.3114, 0.3526



26.2699, 0.2997, 0.5991



1.2446, 0.2988, 0.5958

Inverse Universe

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



29.7222, 0.3181, 0.2352



45.7536, 0.3194, 0.2157



28.2106, 0.3600, 0.2787



10.8143, 0.3140, 0.3065



10.3864, 0.3240, 0.1559



0.4926, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 45.8583, 0.3066, 0.4450 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 45.8583, 0.3066, 0.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

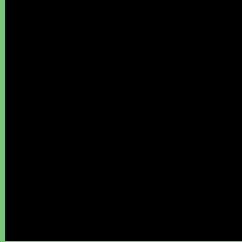
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8583, 0.3066, 0.4450

Background



This preview shows how black text looks on a background with the Yxy color 45.8583, 0.3066, 0.4450.



This preview shows how white text looks on a background with the Yxy color 45.8583, 0.3066, 0.4450.

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

45.8583, 0.3066, 0.4450

Protanopia

45.0801, 0.3809, 0.4116

Deuteranopia

45.2097, 0.3905, 0.3831



Tritanopia

45.5966, 0.2642, 0.3083

Trichromacy



Original Color

45.8583, 0.3066, 0.4450



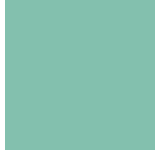
Protanomaly

44.7506, 0.3503, 0.4240



Deuteranomaly

44.2574, 0.3569, 0.4038



Tritanomaly

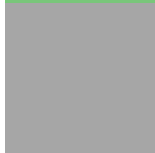
45.5806, 0.2792, 0.3550

Monochromacy



Original Color

45.8583, 0.3066, 0.4450



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.5268, 0.3108, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8583, 0.3066, 0.4450 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(121, 198, 122)` looks like.

```
.text, #text, p{  
    color:rgb(121, 198, 122)  
}
```

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(121, 198, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 198, 122) }
```

Border

The CSS property to change the border of an element to Yxy 45.8583, 0.3066, 0.4450 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(121, 198, 122) }
```

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

```
.border{ border-color:rgb(121, 198, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 198, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 198, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 198, 122);  
box-shadow:4px 4px 4px 4px rgb(121, 198,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8583, 0.3066, 0.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 198, 122) }
```

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

```
.background{ background-color: rgb(121,  
198, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor