

# Converting Colors

$Y_{xy}(25.8177, 0.4157, 0.3271)$

Have a look what the booklet for  
Yxy(25.8177, 0.4157, 0.3271)  
contains.

<b>Yxy(25.8046, 0.4152, 0.3266)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(25.8046, 0.4152, 0.3266)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C67476
RGB	198, 116, 118
RGB Percent	78%, 45%, 46%
CMY	0.2235, 0.5451, 0.5371
CMYK	0.00, 0.41, 0.40, 0.22
HSL	359°, 42%, 62%
HSV	359°, 41%, 78%
XYZ	32.8049, 25.8046, 20.4003
YIQ	140.7460, 48.2300, 18.0060

# Conversions

## Conversions Part 2

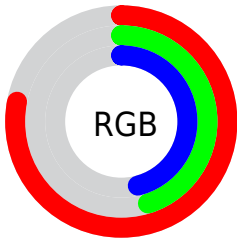
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 116, 118
Decimal	13005942
CIE Lab	57.85, 32.40, 12.89
CIE LCh	58, 34.872, 21.687
Yxy	25.8046, 0.4152, 0.3266
Android (android.graphics.Color)	4291196022 (0xFFC67476)
YUV	140.7460, -11.2138, 50.2118
Hunter-Lab	50.7982, 26.3762, 11.7482

# Details

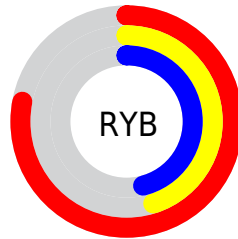
The Yxy color **25.8046, 0.4152, 0.3266** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **48.0842, 0.2577, 0.3317**, and the grayscale version is **26.5635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5382, 0.3916, 0.3282**, and **10.0013, 0.4525, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **21.3040, 0.4552, 0.3262**, and if you desaturate by 10%, it is **31.3745, 0.3817, 0.3272**.

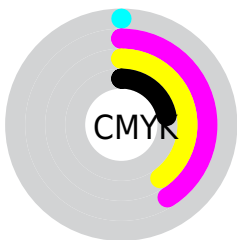
# Distribution



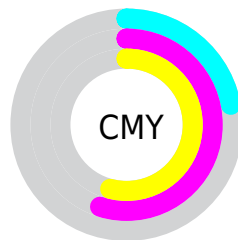
- Red (78%)
- Green (45%)
- Blue (46%)



- Red (78%)
- Yellow (45%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (40%)
- Black (22%)



- Cyan (22%)
- Magenta (55%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8046, 0.4152, 0.3266 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 25.8046, 0.4152, 0.3266 by changing the saturation by 10% instead.




 25.8046, 0.4152,  
0.3266


 25.8046, 0.4152,  
0.3266


281.8216, 0.3584,  
0.3296


 16.6775, 0.4314,  
0.3250


 52.9596, 0.3931,  
0.3282

 10.0048, 0.4535,  
0.3224


 71.7562, 0.3853,  
0.3287

 5.4022, 0.4851,  
0.3175


 94.5448, 0.3788,  
0.3290

 2.4851, 0.5338,  
0.3077

121.7099, 0.3734,  
0.3292

 0.8692, 0.6727,  
0.3111

153.6356, 0.3688,  
0.3294

 0.0000, 1.0000,  
0.0000


190.7066, 0.3649,


 0.0000, 0.0000,


0.3295

0.0000

233.3071, 0.3614,  
0.3295

 25.8046, 0.4152,  
0.3266


 25.8046, 0.4152,  
0.3266


 21.3040, 0.4552,  
0.3262

 31.3745, 0.3817,  
0.3272


 17.8007, 0.5005,  
0.3260


 38.0720, 0.3544,  
0.3278


 15.2200, 0.5477,  
0.3263


 45.9557, 0.3325,  
0.3284


 13.4750, 0.5906,  
0.3270

 55.0792, 0.3149,  
0.3289

 12.4623, 0.6221,  
0.3281

 65.4926, 0.3008,  
0.3295

 12.0160, 0.6377,  
0.3287

 77.2434, 0.2895,  
0.3299

 90.3767, 0.2803,  
0.3304

 90.7453, 0.2794,  
0.3289

# Harmonies

## Analogous

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



25.8046, 0.3679, 0.2843



25.8046, 0.4152, 0.3266



25.8046, 0.4312, 0.3725

# Triad

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



25.8046, 0.4152, 0.3266



25.8046, 0.3090, 0.4257



25.8046, 0.2188, 0.2415

# Complementary

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



25.8046, 0.4152, 0.3266



48.0842, 0.2577, 0.3317

# 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.



25.8046, 0.2068, 0.2687



25.8046, 0.4152, 0.3266



25.8046, 0.2554, 0.3790

# Square

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



25.8046, 0.4152, 0.3266



25.8046, 0.3665, 0.4365



25.8046, 0.2192, 0.3182



25.8046, 0.2537, 0.2370



# Rectangle

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



25.8046, 0.4152, 0.3266



25.8046, 0.4220, 0.4011



25.8046, 0.2192, 0.3182



25.8046, 0.2121, 0.2479

# Sweetspot

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



25.8059, 0.4152, 0.3266



80.2313, 0.3340, 0.3283



28.2062, 0.3145, 0.2274



16.7548, 0.3367, 0.3282



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.



25.8059, 0.4152, 0.3266



38.1974, 0.4523, 0.3262



36.4660, 0.3960, 0.3796



10.6411, 0.3286, 0.3285



7.8165, 0.6370, 0.3283



0.3716, 0.6264, 0.3224



# Inverse Universe

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



25.8059, 0.4152, 0.3266



38.1974, 0.4523, 0.3262



32.8398, 0.2474, 0.2715



10.6411, 0.3286, 0.3285



7.8165, 0.6370, 0.3283



0.3716, 0.6264, 0.3224



# Previews

## White Background



This preview shows how the Yxy color 25.8046, 0.4152, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

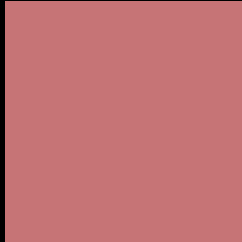
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.8046, 0.4152, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

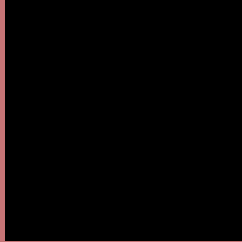
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8046, 0.4152, 0.3266**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8046, 0.4152, 0.3266.



This preview shows how white text looks on a background with the Yxy color 25.8046, 0.4152, 0.3266.

# 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

25.8046, 0.4152, 0.3266

### Protanopia

26.0062, 0.3275, 0.3440

### Deuteranopia

25.8651, 0.3655, 0.3592



## Tritanopia

25.7225, 0.4078, 0.3173

# Trichromacy



## Original Color

25.8046, 0.4152, 0.3266

## Protanomaly

25.6315, 0.3574, 0.3369

## Deuteranomaly

25.4384, 0.3832, 0.3457

## Tritanomaly

25.6724, 0.4104, 0.3200

# Monochromacy



## Original Color

25.8046, 0.4152, 0.3266

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.8774, 0.3466, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8046, 0.4152, 0.3266 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(198, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(198, 116, 118)  
}
```

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(198, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 116, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8046, 0.4152, 0.3266 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(198, 116, 118) }
```

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

```
.border{ border-color:rgb(198, 116, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(198, 116,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8046, 0.4152, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 116, 118) }
```

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

```
.background{ background-color: rgb(198,  
116, 118) }
```

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