

Converting Colors

$Y_{xy}(38.0511, 0.3165, 0.2460)$

Have a look what the booklet for
Yxy(38.0511, 0.3165, 0.2460)
contains.

Yxy(38.0000, 0.3166, 0.2457)	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(38.0000, 0.3166, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	D58DD5
RGB	213, 141, 213
RGB Percent	84%, 55%, 84%
CMY	0.1649, 0.4469, 0.1648
CMYK	0.00, 0.34, 0.00, 0.16
HSL	300°, 46%, 69%
HSV	300°, 34%, 84%
XYZ	48.9654, 38.0000, 67.6947
YIQ	170.7360, 19.8000, 37.6560

Conversions

Conversions Part 2

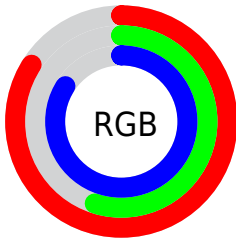
Format	Color
R _Y B	213, 141, 213
Decimal	13995477
CIE Lab	68.02, 38.67, -25.83
CIE LCh	68, 46.503, 326.251
Yxy	38.0000, 0.3166, 0.2457
Android (android.graphics.Color)	4292185557 (0xFFD58DD5)
YUV	170.7360, 20.8362, 37.0655
Hunter-Lab	61.6441, 33.9095, -21.9586

Details

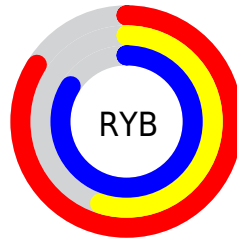
The Yxy color **38.0000, 0.3166, 0.2457** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.1727, 0.3080, 0.4292**, and the grayscale version is **40.4726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.7815, 0.3163, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **32.3105, 0.3177, 0.2226**, and if you desaturate by 10%, it is **44.9006, 0.3155, 0.2702**.

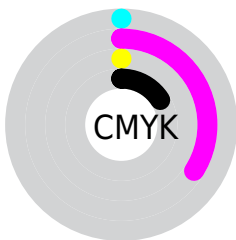
Distribution



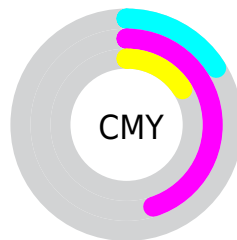
- Red (84%)
- Green (55%)
- Blue (84%)



- Red (84%)
- Yellow (55%)
- Blue (84%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)



- Cyan (16%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0000, 0.3166, 0.2457 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 38.0000, 0.3166, 0.2457 by changing the saturation by 10% instead.


 38.0000, 0.3166,
0.2457


 38.0000, 0.3166,
0.2457


337.6200, 0.3157,
0.2857


 25.9827, 0.3165,
0.2363


 72.1081, 0.3165,
0.2598

 16.8107, 0.3162,
0.2245


 94.9678, 0.3164,
0.2653

 10.0996, 0.3155,
0.2094


 122.2103, 0.3163,
0.2699

 5.4651, 0.3140,
0.1894

154.2201, 0.3162,
0.2739

 2.5226, 0.3107,
0.1620

191.3815, 0.3161,
0.2774

 0.8879, 0.3031,
0.1231


234.0791, 0.3160,


 0.0000, 0.3018,


0.2805


0.0000


282.6971, 0.3159,
0.2833


 0.0000, 0.0000,
0.0000


 38.0000, 0.3166,
0.2457


 38.0000, 0.3166,
0.2457


 32.3105, 0.3177,
0.2226


 44.9006, 0.3155,
0.2702


 27.7576, 0.3186,
0.2017


 53.0713, 0.3143,
0.2952


 24.2666, 0.3195,
0.1842


 62.5732, 0.3131,
0.3199


 21.7515, 0.3201,
0.1705


 73.4618, 0.3120,
0.3436

 20.1130, 0.3205,
0.1611

 85.7898, 0.3110,
0.3661

 19.2309, 0.3208,
0.1559

 90.4703, 0.3106,
0.3737

 18.9363, 0.3208,
0.1541

 90.4714, 0.3106,
0.3737

 90.4725, 0.3106,
0.3737

 90.4736, 0.3106,
0.3737

Harmonies

Analogous

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



38.0000, 0.2522, 0.2248



38.0000, 0.3166, 0.2457



38.0000, 0.3873, 0.2838

Triad

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



38.0000, 0.3166, 0.2457



38.0000, 0.4207, 0.4317



38.0000, 0.2007, 0.3049

Complementary

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



38.0000, 0.3166, 0.2457



55.1727, 0.3080, 0.4292

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.



38.0000, 0.2376, 0.3771



38.0000, 0.3166, 0.2457



38.0000, 0.3641, 0.4565

Square

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



38.0000, 0.3166, 0.2457



38.0000, 0.4499, 0.3850



38.0000, 0.2969, 0.4383



38.0000, 0.1915, 0.2515

Rectangle

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



38.0000, 0.3166, 0.2457



38.0000, 0.4252, 0.3157



38.0000, 0.2969, 0.4383



38.0000, 0.2100, 0.3279

Sweetspot

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



38.0017, 0.3166, 0.2457



84.7940, 0.3139, 0.3044



29.8823, 0.2524, 0.2306



17.7280, 0.3140, 0.3008



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.



38.0017, 0.3166, 0.2457



50.4297, 0.3174, 0.2279



36.4247, 0.3508, 0.2838



12.6325, 0.3138, 0.3060



11.5690, 0.3208, 0.1541



0.6979, 0.3208, 0.1541

Inverse Universe

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



35.1267, 0.3915, 0.3292



45.4343, 0.4186, 0.3293



56.3735, 0.2867, 0.3794



12.4209, 0.3291, 0.3290



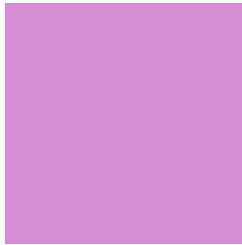
8.6412, 0.6400, 0.3299



0.5212, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 38.0000, 0.3166, 0.2457 looks on a white background.

Color Contrast Check

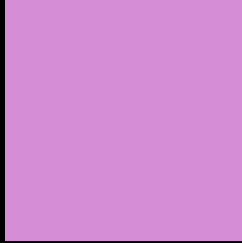
Large Text (above 18pt) WCAG AA × Fail

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 38.0000, 0.3166, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

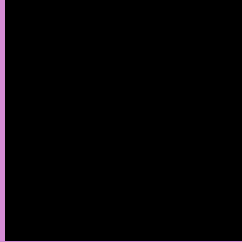
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0000, 0.3166, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 38.0000, 0.3166, 0.2457.



This preview shows how white text looks on a background with the Yxy color 38.0000, 0.3166, 0.2457.

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

38.0000, 0.3166, 0.2457

Protanopia

38.3751, 0.2495, 0.2429

Deuteranopia

38.2714, 0.2734, 0.2676



Tritanopia

37.8994, 0.3573, 0.3139

Trichromacy



Original Color

38.0000, 0.3166, 0.2457



Protanomaly

37.7048, 0.2701, 0.2429



Deuteranomaly

37.6795, 0.2880, 0.2587



Tritanomaly

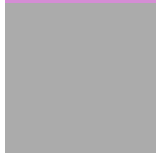
37.7589, 0.3428, 0.2872

Monochromacy



Original Color

38.0000, 0.3166, 0.2457



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.1259, 0.3143, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0000, 0.3166, 0.2457 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(213, 141, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 141, 213)  
}
```

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(213, 141, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 141, 213) }
```

Border

The CSS property to change the border of an element to Yxy 38.0000, 0.3166, 0.2457 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(213, 141, 213) }
```

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

```
.border{ border-color:rgb(213, 141, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 141, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 141, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 141, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 141,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0000, 0.3166, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 141, 213) }
```

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

```
.background{ background-color: rgb(213,  
141, 213) }
```

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