

Converting Colors

$Y_{xy}(35.5342, 0.3308, 0.2482)$

Have a look what the booklet for
Yxy(35.5342, 0.3308, 0.2482)
contains.

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Color

Yxy(35.6383, 0.3306, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	D885CA
RGB	216, 133, 202
RGB Percent	85%, 52%, 79%
CMY	0.1531, 0.4783, 0.2079
CMYK	0.00, 0.38, 0.06, 0.15
HSL	310°, 52%, 68%
HSV	310°, 38%, 85%
XYZ	47.3554, 35.6383, 60.2471
YIQ	165.6830, 27.3190, 39.0550

Conversions

Conversions Part 2

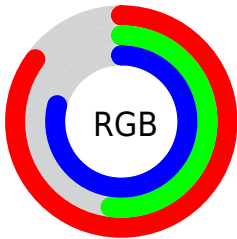
Format	Color
R _Y B	216, 133, 202
Decimal	14190026
CIE Lab	66.24, 41.89, -22.40
CIE LCh	66, 47.499, 331.868
Yxy	35.6383, 0.3306, 0.2488
Android (android.graphics.Color)	4292380106 (0xFFD885CA)
YUV	165.6830, 17.9043, 44.1280
Hunter-Lab	59.6978, 37.1242, -18.0470

Details

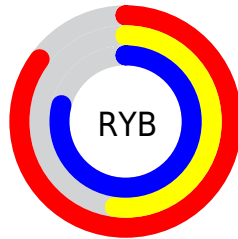
The Yxy color **35.6383, 0.3306, 0.2488** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.1857, 0.2991, 0.4255**, and the grayscale version is **37.8762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **15.4966, 0.3346, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **30.1499, 0.3366, 0.2292**, and if you desaturate by 10%, it is **42.3496, 0.3251, 0.2697**.

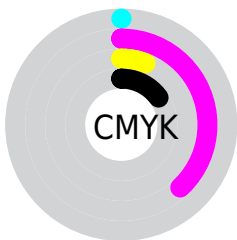
Distribution



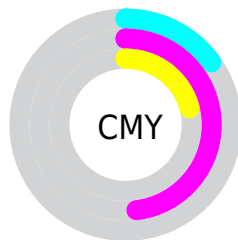
- Red (85%)
- Green (52%)
- Blue (79%)



- Red (85%)
- Yellow (52%)
- Blue (79%)



- Cyan (0%)
- Magenta (38%)
- Yellow (6%)
- Black (15%)




- Cyan (15%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6383, 0.3306, 0.2488 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 35.6383, 0.3306, 0.2488 by changing the saturation by 10% instead.


 35.6383, 0.3306,
0.2488


 35.6383, 0.3306,
0.2488

327.3769, 0.3225,
0.2878

 24.1550, 0.3324,
0.2395


 68.4734, 0.3278,
0.2627

 15.4486, 0.3345,
0.2277


 90.5940, 0.3268,
0.2680

 9.1348, 0.3370,
0.2125


 117.0292, 0.3258,
0.2725

 4.8292, 0.3400,
0.1922

148.1632, 0.3250,
0.2764

 2.1474, 0.3434,
0.1639

184.3806, 0.3242,
0.2798

 0.6911, 0.3470,
0.1206

226.0658, 0.3236,


 0.0000, 0.3588,


0.2828


0.0000


273.6031, 0.3230,
0.2854


 0.0000, 0.0000,
0.0000

 35.6383, 0.3306,
0.2488


 35.6383, 0.3306,
0.2488

 30.1499, 0.3366,
0.2292


 42.3496, 0.3251,
0.2697


 25.8046, 0.3429,
0.2119

 50.3476, 0.3202,
0.2909

 22.5207, 0.3494,
0.1977

 59.6976, 0.3159,
0.3119

 20.2034, 0.3560,
0.1877

 70.4587, 0.3122,
0.3322


 18.7414, 0.3623,
0.1821

 82.6869, 0.3089,
0.3513


 17.9684, 0.3683,
0.1808

 91.4844, 0.3064,
0.3617

 17.8696, 0.3693,
0.1808

 91.6838, 0.3043,
0.3578

 91.8875, 0.3023,
0.3539

 92.0955, 0.3003,
0.3500

Harmonies

Analogous

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



35.6383, 0.2608, 0.2235



35.6383, 0.3306, 0.2488



35.6383, 0.4029, 0.2908

Triad

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



35.6383, 0.3306, 0.2488



35.6383, 0.4153, 0.4428



35.6383, 0.1925, 0.2910

Complementary

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



35.6383, 0.3306, 0.2488



56.1857, 0.2991, 0.4255

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.



35.6383, 0.2252, 0.3646



35.6383, 0.3306, 0.2488



35.6383, 0.3528, 0.4626

Square

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



35.6383, 0.3306, 0.2488



35.6383, 0.4527, 0.3963



35.6383, 0.2832, 0.4344



35.6383, 0.1884, 0.2411

Rectangle

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



35.6383, 0.3306, 0.2488



35.6383, 0.4385, 0.3246



35.6383, 0.2832, 0.4344



35.6383, 0.2002, 0.3137

Sweetspot

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



35.6399, 0.3306, 0.2488



81.6788, 0.3174, 0.3042



27.9295, 0.2535, 0.2160



17.0947, 0.3180, 0.3014



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.



35.6399, 0.3306, 0.2488



45.3624, 0.3354, 0.2329



33.9383, 0.3752, 0.2954



12.5951, 0.3163, 0.3098



10.5957, 0.3684, 0.1803



0.6488, 0.3588, 0.1750

Inverse Universe

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



35.6399, 0.3306, 0.2488



45.3624, 0.3354, 0.2329



57.7233, 0.2748, 0.3661



12.5951, 0.3163, 0.3098



10.5957, 0.3684, 0.1803



0.6488, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 35.6383, 0.3306, 0.2488 looks on a white background.

Color Contrast Check

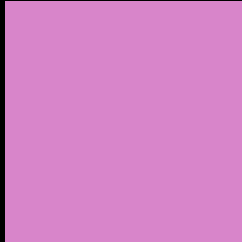
Large Text (above 18pt) WCAG AA × Fail

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 35.6383, 0.3306, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

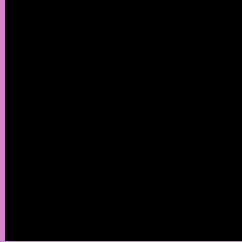
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6383, 0.3306, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 35.6383, 0.3306, 0.2488.



This preview shows how white text looks on a background with the Yxy color 35.6383, 0.3306, 0.2488.

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

35.6383, 0.3306, 0.2488

Protanopia

35.8564, 0.2519, 0.2456

Deuteranopia

35.8559, 0.2810, 0.2752



Tritanopia

35.6797, 0.3733, 0.3153

Trichromacy



Original Color

35.6383, 0.3306, 0.2488

Protanomaly

35.2138, 0.2768, 0.2460

Deuteranomaly

35.3217, 0.2977, 0.2637

Tritanomaly

35.4026, 0.3579, 0.2897

Monochromacy



Original Color

35.6383, 0.3306, 0.2488

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.5562, 0.3191, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6383, 0.3306, 0.2488 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(216, 133, 202)` looks like.

```
.text, #text, p{  
    color:rgb(216, 133, 202)  
}
```

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(216, 133, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 133, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.6383, 0.3306, 0.2488 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(216, 133, 202) }
```

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

```
.border{ border-color:rgb(216, 133, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 133, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 133, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 133, 202);  
box-shadow:4px 4px 4px 4px rgb(216, 133,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6383, 0.3306, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 133, 202) }
```

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

```
.background{ background-color: rgb(216,  
133, 202) }
```

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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