

Converting Colors

$Y_{xy}(21.6105, 0.3781, 0.2313)$

Have a look what the booklet for
Yxy(21.6105, 0.3781, 0.2313)
contains.

Yxy(21.6105, 0.3781, 0.2313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6105, 0.3781, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	D04FA2
RGB	208, 79, 162
RGB Percent	82%, 31%, 64%
CMY	0.1844, 0.6901, 0.3647
CMYK	0.00, 0.62, 0.22, 0.18
HSL	321°, 58%, 56%
HSV	321°, 62%, 82%
XYZ	35.3261, 21.6105, 36.4940
YIQ	127.0330, 50.2410, 53.1610

Conversions

Conversions Part 2

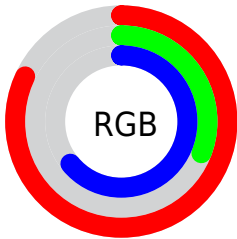
Format	Color
RYB	208, 79, 162
Decimal	13651874
CIELab	53.61, 59.44, -18.91
CIELCh	54, 62.378, 342.356
Yxy	21.6105, 0.3781, 0.2313
Android (android.graphics.Color)	4291841954 (0xFFD04FA2)
YUV	127.0330, 17.2387, 71.0081
Hunter-Lab	46.4871, 54.2919, -14.0038

Details

The Yxy color **21.6105, 0.3781, 0.2313** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **48.2462, 0.2811, 0.4600**, and the grayscale version is **21.1653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5977, 0.3531, 0.2466**, and **7.8052, 0.3999, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **18.8090, 0.3935, 0.2215**, and if you desaturate by 10%, it is **25.3681, 0.3638, 0.2445**.

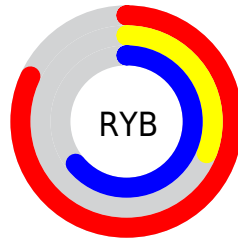
Distribution



Red (82%)

Green (31%)

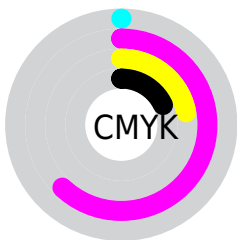
Blue (64%)



Red (82%)

Yellow (31%)

Blue (64%)

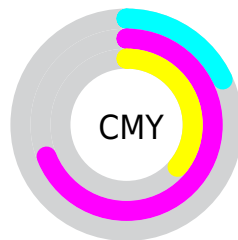


Cyan (0%)

Magenta (62%)

Yellow (22%)

Black (18%)



Cyan (18%)


Magenta (69%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6105, 0.3781, 0.2313 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 21.6105, 0.3781, 0.2313 by changing the saturation by 10% instead.


 21.6105, 0.3781,
0.2313


 21.6105, 0.3781,
0.2313


260.5054, 0.3435,
0.2819


 13.5710, 0.3873,
0.2183


 46.1014, 0.3651,
0.2500

 7.8229, 0.3995,
0.2014


 63.3216, 0.3603,
0.2569

 3.9818, 0.4162,
0.1787


 84.3707, 0.3564,
0.2628

 1.6634, 0.4405,
0.1472

 109.6333, 0.3530,
0.2677

 0.3998, 0.4866,
0.0857

 139.4936, 0.3501,
0.2720

 0.0000, 0.5854,
0.0000

174.3362, 0.3476,

 0.0000, 0.0000,

0.2757

0.0000

214.5453, 0.3455,
0.2790

■ 21.6105, 0.3781,
0.2313

■ 21.6105, 0.3781,
0.2313

■ 18.8090, 0.3935,
0.2215

■ 25.3681, 0.3638,
0.2445

■ 16.8692, 0.4094,
0.2161

■ 30.1579, 0.3508,
0.2598

■ 15.6830, 0.4252,
0.2157

■ 36.0521, 0.3394,
0.2764

■ 15.1235, 0.4376,
0.2184

■ 43.1156, 0.3295,
0.2933

■ 51.4079, 0.3211,
0.3099

■ 60.9848, 0.3140,
0.3259

■ 71.8985, 0.3080,
0.3410

■ 84.1982, 0.3031,
0.3550

■ 90.5696, 0.2989,
0.3568

Harmonies

Analogous

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



21.6105, 0.2660, 0.1888



21.6105, 0.3781, 0.2313



21.6105, 0.4840, 0.2924

Triad

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



21.6105, 0.3781, 0.2313



21.6105, 0.4232, 0.5104



21.6105, 0.1354, 0.2350

Complementary

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



21.6105, 0.3781, 0.2313



48.2462, 0.2811, 0.4600

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.



21.6105, 0.1617, 0.3361



21.6105, 0.3781, 0.2313



21.6105, 0.3252, 0.5380

Square

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



21.6105, 0.3781, 0.2313



21.6105, 0.5004, 0.4383



21.6105, 0.2289, 0.4670



21.6105, 0.1442, 0.1844

Rectangle

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



21.6105, 0.3781, 0.2313



21.6105, 0.5228, 0.3385



21.6105, 0.2289, 0.4670



21.6105, 0.1399, 0.2627

Sweetspot

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



21.6116, 0.3781, 0.2313



71.8249, 0.3271, 0.2980



14.4458, 0.2292, 0.1471



14.6041, 0.3296, 0.2931



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.



21.6116, 0.3781, 0.2313



28.8105, 0.3980, 0.2194



19.8916, 0.4790, 0.3071



11.9345, 0.3191, 0.3141



9.4469, 0.4355, 0.2173



0.5430, 0.4092, 0.2028

Inverse Universe

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



21.6116, 0.3781, 0.2313



28.8105, 0.3980, 0.2194



50.4239, 0.2474, 0.3572



11.9345, 0.3191, 0.3141



9.4469, 0.4355, 0.2173



0.5430, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 21.6105, 0.3781, 0.2313 looks on a white background.

Color Contrast Check

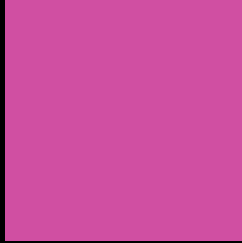
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6105, 0.3781, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

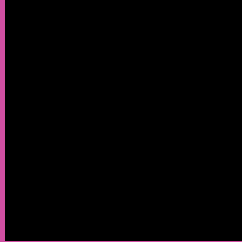
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6105, 0.3781, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 21.6105, 0.3781, 0.2313.



This preview shows how white text looks on a background with the Yxy color 21.6105, 0.3781, 0.2313.

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

21.6105, 0.3781, 0.2313

Protanopia

21.8825, 0.2289, 0.2155

Deuteranopia

21.8775, 0.2848, 0.2797



Tritanopia

21.5015, 0.4580, 0.3207

Trichromacy



Original Color

21.6105, 0.3781, 0.2313

Protanomaly

20.1028, 0.2689, 0.2144

Deuteranomaly

20.5740, 0.3150, 0.2537

Tritanomaly

21.4122, 0.4294, 0.2869

Monochromacy



Original Color

21.6105, 0.3781, 0.2313

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.1132, 0.3357, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6105, 0.3781, 0.2313 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(208, 79, 162)` looks like.

```
.text, #text, p{  
    color:rgb(208, 79, 162)  
}
```

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(208, 79, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 79, 162) }
```

Border

The CSS property to change the border of an element to Yxy 21.6105, 0.3781, 0.2313 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(208, 79, 162) }
```

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

```
.border{ border-color:rgb(208, 79, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 79, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 79, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 79, 162);  
box-shadow:4px 4px 4px 4px rgb(208, 79,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6105, 0.3781, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 79, 162) }
```

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

```
.background{ background-color: rgb(208, 79,  
162) }
```

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