

Converting Colors

$Y_{xy}(21.3287, 0.4156, 0.2840)$

Have a look what the booklet for
Yxy(21.3287, 0.4156, 0.2840)
contains.

Yxy(21.3287, 0.4156, 0.2840)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3287, 0.4156, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	C75C7F
RGB	199, 92, 127
RGB Percent	78%, 36%, 50%
CMY	0.2196, 0.6392, 0.5018
CMYK	0.00, 0.54, 0.36, 0.22
HSL	340°, 49%, 57%
HSV	340°, 54%, 78%
XYZ	31.2120, 21.3287, 22.5604
YIQ	127.9830, 52.5370, 33.5690

Conversions

Conversions Part 2

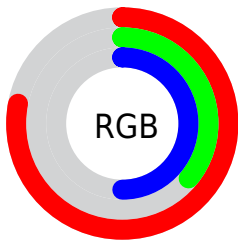
Format	Color
R_{YB}	199, 92, 127
Decimal	13065343
CIE _{Lab}	53.31, 46.22, 1.15
CIE _{LCh}	53, 46.232, 1.423
Yxy	21.3287, 0.4156, 0.2840
Android (android.graphics.Color)	4291255423 (0xFFC75C7F)
YUV	127.9830, -0.4846, 62.2819
Hunter-Lab	46.1830, 39.8159, 3.3650

Details

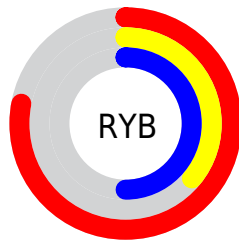
The Yxy color **21.3287, 0.4156, 0.2840** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **45.8003, 0.2636, 0.3829**, and the grayscale version is **21.5696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1131, 0.3890, 0.2937**, and **7.6871, 0.4575, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **17.9968, 0.4469, 0.2784**, and if you desaturate by 10%, it is **25.6146, 0.3882, 0.2916**.

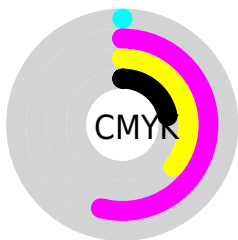
Distribution



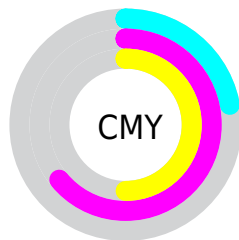
- Red (78%)
- Green (36%)
- Blue (50%)



- Red (78%)
- Yellow (36%)
- Blue (50%)



- Cyan (0%)
- Magenta (54%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (64%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3287, 0.4156, 0.2840 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 21.3287, 0.4156, 0.2840 by changing the saturation by 10% instead.


 21.3287, 0.4156,
0.2840


 21.3287, 0.4156,
0.2840


259.0202, 0.3577,
0.3095

 13.3645, 0.4326,
0.2764


 45.6339, 0.3928,
0.2941


 7.6800, 0.4561,
0.2659


 62.7438, 0.3848,
0.2976

 3.8909, 0.4907,
0.2504

 83.6709, 0.3782,
0.3005

 1.6127, 0.5457,
0.2253

 108.7998, 0.3727,
0.3029

 0.3661, 0.7067,
0.1569

138.5147, 0.3681,
0.3050

 0.0000, 1.0000,
0.0000

173.2002, 0.3641,

 0.0000, 0.0000,

0.3067

0.0000

213.2406, 0.3607,
0.3082

■ 21.3287, 0.4156,
0.2840

■ 21.3287, 0.4156,
0.2840

■ 17.9968, 0.4469,
0.2784

■ 25.6146, 0.3882,
0.2916

■ 15.5411, 0.4811,
0.2759

■ 30.9174, 0.3650,
0.3002

■ 13.8773, 0.5161,
0.2777

■ 37.2989, 0.3458,
0.3091

■ 12.9021, 0.5489,
0.2843

■ 44.8144, 0.3299,
0.3178

■ 12.5250, 0.5676,
0.2900

■ 53.5160, 0.3170,
0.3260

■ 63.4521, 0.3064,
0.3337

■ 74.6687, 0.2977,
0.3408

■ 87.2091, 0.2906,
0.3473

■ 90.4078, 0.2838,
0.3368

Harmonies

Analogous

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



21.3287, 0.3313, 0.2378



21.3287, 0.4156, 0.2840



21.3287, 0.4702, 0.3410

Triad

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



21.3287, 0.4156, 0.2840



21.3287, 0.3575, 0.4841



21.3287, 0.1726, 0.2287

Complementary

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



21.3287, 0.4156, 0.2840



45.8003, 0.2636, 0.3829

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.



21.3287, 0.1770, 0.2848



21.3287, 0.4156, 0.2840



21.3287, 0.2784, 0.4540

Square

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



21.3287, 0.4156, 0.2840



21.3287, 0.4289, 0.4565



21.3287, 0.2130, 0.3711



21.3287, 0.1976, 0.2055

Rectangle

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



21.3287, 0.4156, 0.2840



21.3287, 0.4778, 0.3813



21.3287, 0.2130, 0.3711



21.3287, 0.1707, 0.2435

Sweetspot

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



21.3298, 0.4156, 0.2840



75.0313, 0.3335, 0.3157



19.6001, 0.2787, 0.1864



15.4580, 0.3367, 0.3139



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.



21.3298, 0.4156, 0.2840



30.4451, 0.4542, 0.2775



24.0310, 0.4552, 0.3524



10.6932, 0.3239, 0.3215



8.0686, 0.5640, 0.2881



0.3955, 0.5042, 0.2551

Inverse Universe

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



21.3298, 0.4156, 0.2840



30.4451, 0.4542, 0.2775



39.5137, 0.2391, 0.3021



10.6932, 0.3239, 0.3215



8.0686, 0.5640, 0.2881



0.3955, 0.5042, 0.2551

Previews

White Background



This preview shows how the Yxy color 21.3287, 0.4156, 0.2840 looks on a white background.

Color Contrast Check

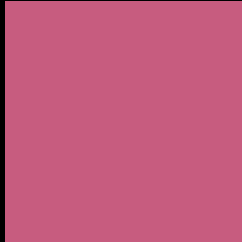
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3287, 0.4156, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

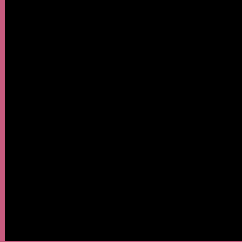
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3287, 0.4156, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 21.3287, 0.4156, 0.2840.



This preview shows how white text looks on a background with the Yxy color 21.3287, 0.4156, 0.2840.

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

21.3287, 0.4156, 0.2840

Protanopia

21.6019, 0.2874, 0.2923

Deuteranopia

21.5712, 0.3372, 0.3325



Tritanopia

21.3990, 0.4471, 0.3216

Trichromacy



Original Color

21.3287, 0.4156, 0.2840

Protanomaly

20.5074, 0.3286, 0.2866

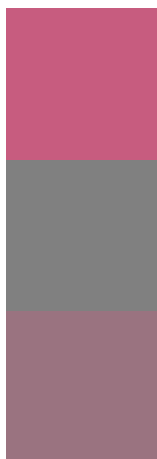
Deuteranomaly

20.8301, 0.3653, 0.3101

Tritanomaly

21.3600, 0.4359, 0.3072

Monochromacy



Original Color

21.3287, 0.4156, 0.2840

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6900, 0.3474, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3287, 0.4156, 0.2840 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(199, 92, 127)` looks like.

```
.text, #text, p{  
  color:rgb(199, 92, 127)  
}
```

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(199, 92, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 92, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.3287, 0.4156, 0.2840 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(199, 92, 127) }
```

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

```
.border{ border-color:rgb(199, 92, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 92, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 92, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 92, 127);  
box-shadow:4px 4px 4px 4px rgb(199, 92,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3287, 0.4156, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 92, 127) }
```

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

```
.background{ background-color: rgb(199, 92,  
127) }
```

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