

Converting Colors

$Y_{xy}(20.3634, 0.4211, 0.2791)$

Have a look what the booklet for
Yxy(20.3634, 0.4211, 0.2791)
contains.

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Color

Yxy(20.2784, 0.4215, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	C7567D
RGB	199, 86, 125
RGB Percent	78%, 34%, 49%
CMY	0.2194, 0.6629, 0.5098
CMYK	0.00, 0.57, 0.37, 0.22
HSL	339°, 50%, 56%
HSV	339°, 57%, 78%
XYZ	30.5918, 20.2784, 21.7082
YIQ	124.2330, 54.8290, 36.0850

Conversions

Conversions Part 2

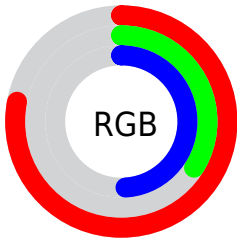
Format	Color
R_{YB}	199, 86, 125
Decimal	13063805
CIE _{Lab}	52.15, 48.90, 0.66
CIE _{LCh}	52, 48.909, 0.776
Yxy	20.2784, 0.4215, 0.2794
Android (android.graphics.Color)	4291253885 (0xFFC7567D)
YUV	124.2330, 0.3781, 65.5707
Hunter-Lab	45.0315, 42.4572, 2.9404

Details

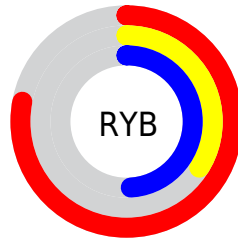
The Yxy color **20.2784, 0.4215, 0.2794** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **45.3815, 0.2630, 0.3899**, and the grayscale version is **20.2207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1905, 0.3941, 0.2907**, and **7.1131, 0.4654, 0.2596** is the 20% darker color. If you saturate the color by 10%, you get **17.2213, 0.4528, 0.2742**, and if you desaturate by 10%, it is **24.2660, 0.3938, 0.2870**.

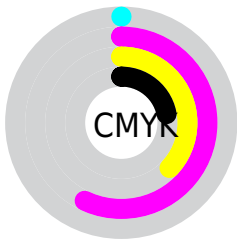
Distribution



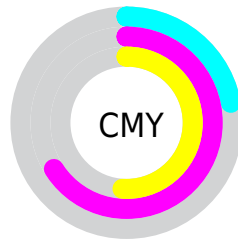
- Red (78%)
- Green (34%)
- Blue (49%)



- Red (78%)
- Yellow (34%)
- Blue (49%)



- Cyan (0%)
- Magenta (57%)
- Yellow (37%)
- Black (22%)





- Cyan (22%)
- Magenta (66%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2784, 0.4215, 0.2794 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 20.2784, 0.4215, 0.2794 by changing the saturation by 10% instead.


 20.2784, 0.4215,
0.2794


 20.2784, 0.4215,
0.2794

253.4183, 0.3599,
0.3076


 12.5976, 0.4397,
0.2710


 43.8835, 0.3971,
0.2906

 7.1520, 0.4650,
0.2593


 60.5765, 0.3886,
0.2945

 3.5574, 0.5023,
0.2420

 81.0423, 0.3816,
0.2977

 1.4292, 0.5621,
0.2141

 105.6655, 0.3758,
0.3003

 0.2381, 0.7760,
0.1182

134.8302, 0.3709,
0.3026

 0.0000, 1.0000,
0.0000

168.9210, 0.3667,

 0.0000, 0.0000,

0.3045

0.0000

208.3222, 0.3631,
0.3062

■ 20.2784, 0.4215,
0.2794

■ 20.2784, 0.4215,
0.2794

■ 17.2213, 0.4528,
0.2742

■ 24.2660, 0.3938,
0.2870

■ 15.0144, 0.4864,
0.2725

■ 29.2494, 0.3701,
0.2958

■ 13.5687, 0.5202,
0.2756

■ 35.2917, 0.3502,
0.3052

■ 12.7654, 0.5514,
0.2834

■ 42.4496, 0.3339,
0.3144

■ 12.5743, 0.5608,
0.2863

■ 50.7761, 0.3204,
0.3233

■ 60.3206, 0.3094,
0.3316

■ 71.1295, 0.3005,
0.3393

■ 83.2471, 0.2931,
0.3463

■ 90.0965, 0.2865,
0.3424

Harmonies

Analogous

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



20.2784, 0.3302, 0.2312



20.2784, 0.4215, 0.2794



20.2784, 0.4811, 0.3390

Triad

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



20.2784, 0.4215, 0.2794



20.2784, 0.3609, 0.4960



20.2784, 0.1639, 0.2224

Complementary

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



20.2784, 0.4215, 0.2794



45.3815, 0.2630, 0.3899

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.



20.2784, 0.1689, 0.2824



20.2784, 0.4215, 0.2794



20.2784, 0.2768, 0.4664

Square

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



20.2784, 0.4215, 0.2794



20.2784, 0.4369, 0.4628



20.2784, 0.2071, 0.3763



20.2784, 0.1895, 0.1980

Rectangle

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



20.2784, 0.4215, 0.2794



20.2784, 0.4895, 0.3814



20.2784, 0.2071, 0.3763



20.2784, 0.1621, 0.2381

Sweetspot

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



20.2795, 0.4215, 0.2794



73.6972, 0.3345, 0.3140



18.1947, 0.2739, 0.1778



15.1967, 0.3376, 0.3122



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.



20.2795, 0.4215, 0.2794



29.1717, 0.4600, 0.2735



22.5058, 0.4690, 0.3508



10.6964, 0.3236, 0.3210



8.0967, 0.5572, 0.2843



0.3970, 0.4984, 0.2519

Inverse Universe

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



20.2795, 0.4215, 0.2794



29.1717, 0.4600, 0.2735



39.5918, 0.2366, 0.3033



10.6964, 0.3236, 0.3210



8.0967, 0.5572, 0.2843



0.3970, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 20.2784, 0.4215, 0.2794 looks on a white background.

Color Contrast Check

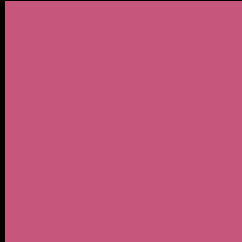
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2784, 0.4215, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

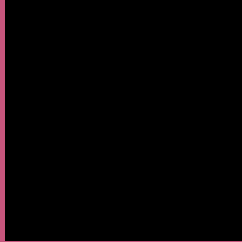
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2784, 0.4215, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 20.2784, 0.4215, 0.2794.



This preview shows how white text looks on a background with the Yxy color 20.2784, 0.4215, 0.2794.

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

20.2784, 0.4215, 0.2794

Protanopia

20.5465, 0.2829, 0.2863

Deuteranopia

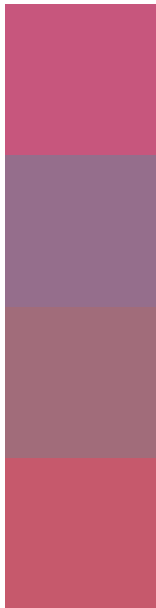
20.5198, 0.3366, 0.3308



Tritanopia

20.2343, 0.4588, 0.3205

Trichromacy



Original Color

20.2784, 0.4215, 0.2794

Protanomaly

19.4349, 0.3267, 0.2796

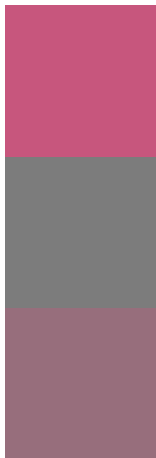
Deuteranomaly

19.7073, 0.3669, 0.3067

Tritanomaly

20.2332, 0.4457, 0.3050

Monochromacy



Original Color

20.2784, 0.4215, 0.2794

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.1864, 0.3501, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2784, 0.4215, 0.2794 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, 86, 125)` looks like.

```
.text, #text, p{  
    color:rgb(199, 86, 125)  
}
```

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, 86, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 86, 125) }
```

Border

The CSS property to change the border of an element to Yxy 20.2784, 0.4215, 0.2794 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, 86, 125) }
```

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

```
.border{ border-color:rgb(199, 86, 125) }
```

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

Here you see how a box with a 4 pixel rgb(199, 86, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 86, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 86, 125);  
box-shadow:4px 4px 4px 4px rgb(199, 86,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2784, 0.4215, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 86, 125) }
```

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

```
.background{ background-color: rgb(199, 86,  
125) }
```

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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