

Converting Colors

$Y_{xy}(20.3639, 0.4017, 0.2812)$

Have a look what the booklet for
Yxy(20.3639, 0.4017, 0.2812)
contains.

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Color

Yxy(20.3344, 0.4023, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	BE5D80
RGB	190, 93, 128
RGB Percent	75%, 36%, 50%
CMY	0.2550, 0.6352, 0.4981
CMYK	0.00, 0.51, 0.33, 0.26
HSL	338°, 43%, 55%
HSV	338°, 51%, 74%
XYZ	29.0399, 20.3344, 22.8103
YIQ	125.9930, 46.5770, 31.4490

Conversions

Conversions Part 2

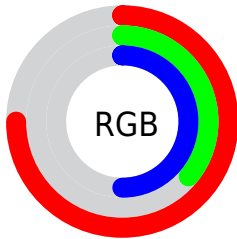
Format	Color
R_{YB}	190, 93, 128
Decimal	12475776
CIE _{Lab}	52.21, 42.74, -1.17
CIE _{LCh}	52, 42.755, 358.427
Y _{xy}	20.3344, 0.4023, 0.2817
Android (android.graphics.Color)	4290665856 (0xFFBE5D80)
Y _{UV}	125.9930, 0.9895, 56.1341
Hunter-Lab	45.0937, 36.0382, 1.5741

Details

The Yxy color **20.3344, 0.4023, 0.2817** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.5110, 0.2674, 0.3848**, and the grayscale version is **20.8482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0337, 0.3823, 0.2918**, and **7.2187, 0.4391, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **17.1025, 0.4306, 0.2746**, and if you desaturate by 10%, it is **24.4350, 0.3777, 0.2905**.

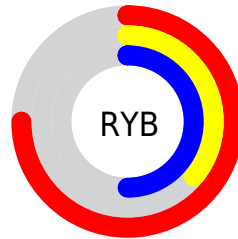
Distribution



Red (75%)

Green (36%)

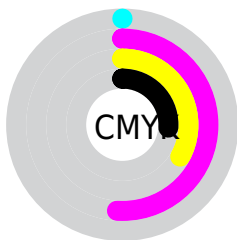
Blue (50%)



Red (75%)

Yellow (36%)

Blue (50%)

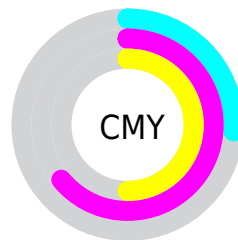


Cyan (0%)

Magenta (51%)

Yellow (33%)

Black (26%)



Cyan (26%)


Magenta (64%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3344, 0.4023, 0.2817 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 20.3344, 0.4023, 0.2817 by changing the saturation by 10% instead.


 20.3344, 0.4023,
0.2817

 20.3344, 0.4023,
0.2817


253.7197, 0.3517,
0.3083


 12.6384, 0.4173,
0.2739


 43.9771, 0.3823,
0.2922

 7.1800, 0.4382,
0.2631


 60.6926, 0.3753,
0.2959

 3.5749, 0.4692,
0.2471

 81.1833, 0.3695,
0.2989

 1.4387, 0.5195,
0.2215

 105.8337, 0.3648,
0.3014

 0.2450, 0.6953,
0.1257

135.0281, 0.3607,
0.3035

 0.0000, 1.0000,
0.0000

169.1510, 0.3573,

 0.0000, 0.0000,

0.3053

0.0000

208.5867, 0.3543,
0.3069

■ 20.3344, 0.4023,
0.2817

■ 20.3344, 0.4023,
0.2817

■ 17.1025, 0.4306,
0.2746

■ 24.4350, 0.3777,
0.2905

■ 14.6724, 0.4621,
0.2703

■ 29.4586, 0.3569,
0.3001

■ 12.9723, 0.4951,
0.2702

■ 35.4586, 0.3397,
0.3098

■ 11.9160, 0.5274,
0.2750

■ 42.4835, 0.3255,
0.3192

■ 11.3671, 0.5541,
0.2826

■ 50.5785, 0.3138,
0.3281

■ 59.7861, 0.3042,
0.3364

■ 70.1464, 0.2964,
0.3440

■ 81.6977, 0.2900,
0.3510

■ 88.5963, 0.2841,
0.3480

Harmonies

Analogous

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



20.3344, 0.3224, 0.2389



20.3344, 0.4023, 0.2817



20.3344, 0.4577, 0.3356

Triad

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



20.3344, 0.4023, 0.2817



20.3344, 0.3634, 0.4741



20.3344, 0.1786, 0.2383

Complementary

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



20.3344, 0.4023, 0.2817



41.5110, 0.2674, 0.3848

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.



20.3344, 0.1861, 0.2952



20.3344, 0.4023, 0.2817



20.3344, 0.2883, 0.4510

Square

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



20.3344, 0.4023, 0.2817



20.3344, 0.4289, 0.4459



20.3344, 0.2239, 0.3774



20.3344, 0.1999, 0.2128

Rectangle

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



20.3344, 0.4023, 0.2817



20.3344, 0.4687, 0.3741



20.3344, 0.2239, 0.3774



20.3344, 0.1778, 0.2537

Sweetspot

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



20.3354, 0.4023, 0.2817



71.4149, 0.3311, 0.3153



18.4622, 0.2774, 0.1924



15.0876, 0.3342, 0.3133



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3354, 0.4023, 0.2817



30.5191, 0.4335, 0.2740



22.0331, 0.4465, 0.3469



9.5917, 0.3233, 0.3208



7.5747, 0.5507, 0.2807



0.3094, 0.4840, 0.2440

Inverse Universe

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



20.3354, 0.4023, 0.2817



30.5191, 0.4335, 0.2740



37.5080, 0.2433, 0.3089



9.5917, 0.3233, 0.3208



7.5747, 0.5507, 0.2807



0.3094, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 20.3344, 0.4023, 0.2817 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 20.3344, 0.4023, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

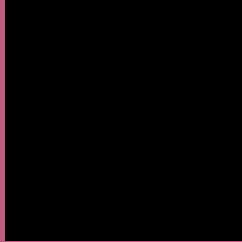
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3344, 0.4023, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 20.3344, 0.4023, 0.2817.



This preview shows how white text looks on a background with the Yxy color 20.3344, 0.4023, 0.2817.

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

20.3344, 0.4023, 0.2817

Protanopia

20.5868, 0.2849, 0.2881

Deuteranopia

20.5081, 0.3317, 0.3255



Tritanopia

20.2402, 0.4346, 0.3197

Trichromacy



Original Color

20.3344, 0.4023, 0.2817

Protanomaly

19.8147, 0.3224, 0.2841

Deuteranomaly

20.0176, 0.3564, 0.3063

Tritanomaly

20.3768, 0.4227, 0.3060

Monochromacy



Original Color

20.3344, 0.4023, 0.2817

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.9565, 0.3424, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3344, 0.4023, 0.2817 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(190, 93, 128)` looks like.

```
.text, #text, p{  
  color:rgb(190, 93, 128)  
}
```

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(190, 93, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 93, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.3344, 0.4023, 0.2817 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(190, 93, 128) }
```

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

```
.border{ border-color:rgb(190, 93, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 93, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 93, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 93, 128);  
box-shadow:4px 4px 4px 4px rgb(190, 93,  
128) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.3344, 0.4023, 0.2817$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 93, 128) }
```

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

```
.background{ background-color: rgb(190, 93,  
128) }
```

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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