

Converting Colors

$Y_{xy}(20.7820, 0.4058, 0.2873)$

Have a look what the booklet for
Yxy(20.7820, 0.4058, 0.2873)
contains.

Yxy(20.7671, 0.4058, 0.2872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7671, 0.4058, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	BF5F7E
RGB	191, 95, 126
RGB Percent	75%, 37%, 49%
CMY	0.2510, 0.6274, 0.5059
CMYK	0.00, 0.50, 0.34, 0.25
HSL	341°, 43%, 56%
HSV	341°, 50%, 75%
XYZ	29.3429, 20.7671, 22.1988
YIQ	127.2380, 47.2650, 29.9930

Conversions

Conversions Part 2

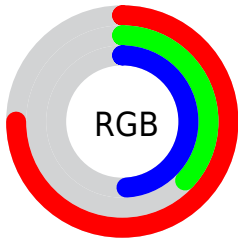
Format	Color
R _Y B	191, 95, 126
Decimal	12541822
CIE Lab	52.69, 41.84, 0.73
CIE LCh	53, 41.842, 0.994
Yxy	20.7671, 0.4058, 0.2872
Android (android.graphics.Color)	4290731902 (0xFFBF5F7E)
YUV	127.2380, -0.6103, 55.9193
Hunter-Lab	45.5709, 35.1863, 3.0179

Details

The Yxy color **20.7671, 0.4058, 0.2872** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **42.2317, 0.2657, 0.3778**, and the grayscale version is **21.3003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7585, 0.3848, 0.2962**, and **7.3319, 0.4430, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **17.4259, 0.4359, 0.2808**, and if you desaturate by 10%, it is **24.9970, 0.3798, 0.2951**.

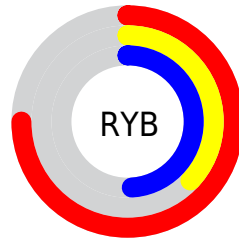
Distribution



Red (75%)

Green (37%)

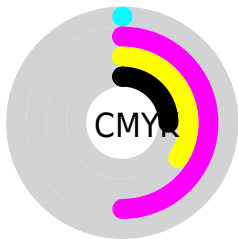
Blue (49%)



Red (75%)

Yellow (37%)

Blue (49%)

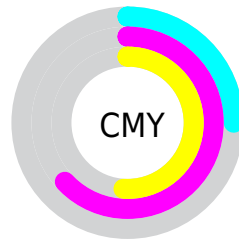


Cyan (0%)

Magenta (50%)

Yellow (34%)

Black (25%)



Cyan (25%)


Magenta (63%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7671, 0.4058, 0.2872 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 20.7671, 0.4058, 0.2872 by changing the saturation by 10% instead.


 20.7671, 0.4058,
0.2872

 20.7671, 0.4058,
0.2872


256.0382, 0.3532,
0.3110


 12.9539, 0.4214,
0.2801


 44.6996, 0.3850,
0.2966

 7.3968, 0.4431,
0.2702


 61.5877, 0.3777,
0.2999

 3.7115, 0.4753,
0.2555

 82.2694, 0.3717,
0.3026

 1.5135, 0.5274,
0.2315

 107.1294, 0.3668,
0.3048

 0.2982, 0.7091,
0.1516

136.5518, 0.3626,
0.3067

 0.0000, 1.0000,
0.0000

170.9211, 0.3590,

 0.0000, 0.0000,

0.3083

0.0000

210.6218, 0.3559,
0.3097

■ 20.7671, 0.4058,
0.2872

■ 20.7671, 0.4058,
0.2872

■ 17.4259, 0.4359,
0.2808

■ 24.9970, 0.3798,
0.2951

■ 14.9059, 0.4694,
0.2771

■ 30.1705, 0.3580,
0.3038

■ 13.1349, 0.5045,
0.2773

■ 36.3416, 0.3399,
0.3125

■ 12.0265, 0.5386,
0.2822

■ 43.5594, 0.3251,
0.3209

■ 11.4199, 0.5686,
0.2906

■ 51.8697, 0.3130,
0.3288

■ 61.3155, 0.3031,
0.3362

■ 71.9376, 0.2950,
0.3429

■ 83.7746, 0.2884,
0.3491

■ 89.0308, 0.2820,
0.3424

Harmonies

Analogous

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



20.7671, 0.3290, 0.2440



20.7671, 0.4058, 0.2872



20.7671, 0.4563, 0.3407

Triad

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



20.7671, 0.4058, 0.2872



20.7671, 0.3563, 0.4702



20.7671, 0.1825, 0.2375

Complementary

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



20.7671, 0.4058, 0.2872



42.2317, 0.2657, 0.3778

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.



20.7671, 0.1874, 0.2904



20.7671, 0.4058, 0.2872



20.7671, 0.2832, 0.4426

Square

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



20.7671, 0.4058, 0.2872



20.7671, 0.4216, 0.4468



20.7671, 0.2220, 0.3689



20.7671, 0.2057, 0.2148

Rectangle

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



20.7671, 0.4058, 0.2872



20.7671, 0.4644, 0.3784



20.7671, 0.2220, 0.3689



20.7671, 0.1809, 0.2517

Sweetspot

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



20.7681, 0.4058, 0.2872



71.3393, 0.3321, 0.3167



19.3184, 0.2817, 0.1958



15.0691, 0.3353, 0.3149



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.



20.7681, 0.4058, 0.2872



30.8520, 0.4381, 0.2805



23.2726, 0.4410, 0.3511



9.5858, 0.3239, 0.3216



7.5186, 0.5650, 0.2886



0.3068, 0.4957, 0.2505

Inverse Universe

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



20.7681, 0.4058, 0.2872



30.8520, 0.4381, 0.2805



36.8541, 0.2431, 0.3042



9.5858, 0.3239, 0.3216



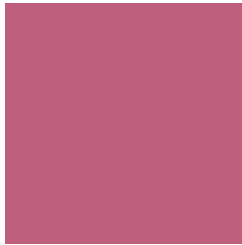
7.5186, 0.5650, 0.2886



0.3068, 0.4957, 0.2505

Previews

White Background



This preview shows how the Yxy color 20.7671, 0.4058, 0.2872 looks on a white background.

Color Contrast Check

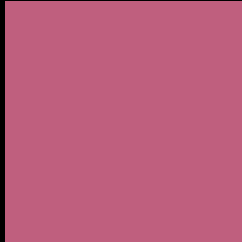
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7671, 0.4058, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

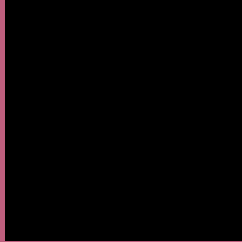
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7671, 0.4058, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 20.7671, 0.4058, 0.2872.



This preview shows how white text looks on a background with the Yxy color 20.7671, 0.4058, 0.2872.

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

20.7671, 0.4058, 0.2872

Protanopia

20.8918, 0.2902, 0.2952

Deuteranopia

20.8997, 0.3352, 0.3291



Tritanopia

20.7831, 0.4315, 0.3197

Trichromacy



Original Color

20.7671, 0.4058, 0.2872

Protanomaly

20.1367, 0.3285, 0.2908

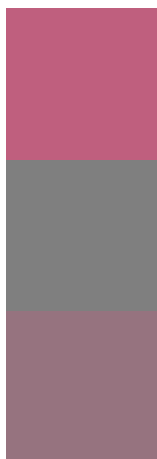
Deuteranomaly

20.3893, 0.3614, 0.3114

Tritanomaly

20.8748, 0.4228, 0.3088

Monochromacy



Original Color

20.7671, 0.4058, 0.2872

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2778, 0.3435, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7671, 0.4058, 0.2872 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(191, 95, 126)` looks like.

```
.text, #text, p{  
    color:rgb(191, 95, 126)  
}
```

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(191, 95, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 95, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.7671, 0.4058, 0.2872 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(191, 95, 126) }
```

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

```
.border{ border-color:rgb(191, 95, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 95, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 95, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 95, 126);  
box-shadow:4px 4px 4px 4px rgb(191, 95,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7671, 0.4058, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 95, 126) }
```

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

```
.background{ background-color: rgb(191, 95,  
126) }
```

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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