

Converting Colors

$Y_{xy}(20.1608, 0.3851, 0.2924)$

Have a look what the booklet for
Yxy(20.1608, 0.3851, 0.2924)
contains.

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Color

Yxy(20.1608, 0.3851, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	B1657E
RGB	177, 101, 126
RGB Percent	69%, 40%, 49%
CMY	0.3059, 0.6039, 0.5058
CMYK	0.00, 0.43, 0.29, 0.31
HSL	340°, 33%, 55%
HSV	340°, 43%, 69%
XYZ	26.5524, 20.1608, 22.2362
YIQ	126.5740, 37.2710, 23.8870

Conversions

Conversions Part 2

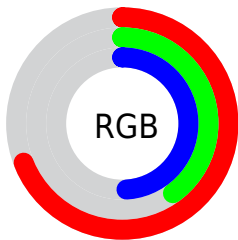
Format	Color
RYB	177, 101, 126
Decimal	11625854
CIELab	52.02, 33.67, -0.50
CIELCh	52, 33.678, 359.142
Yxy	20.1608, 0.3851, 0.2924
Android (android.graphics.Color)	4289815934 (0xFFB1657E)
YUV	126.5740, -0.2830, 44.2236
Hunter-Lab	44.9008, 26.9809, 2.0684

Details

The Yxy color **20.1608, 0.3851, 0.2924** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4789, 0.2715, 0.3701**, and the grayscale version is **21.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5296, 0.3681, 0.2997**, and **7.0410, 0.4151, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **16.7982, 0.4116, 0.2846**, and if you desaturate by 10%, it is **24.3019, 0.3626, 0.3010**.

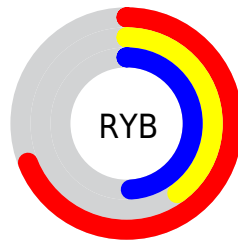
Distribution



Red (69%)

Green (40%)

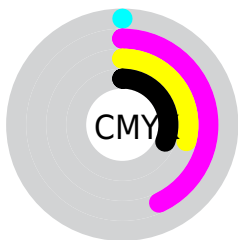
Blue (49%)



Red (69%)

Yellow (40%)

Blue (49%)

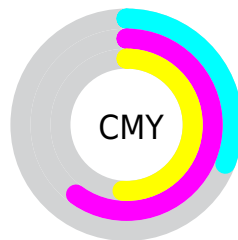


Cyan (0%)

Magenta (43%)

Yellow (29%)

Black (31%)



Cyan (31%)


Magenta (60%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1608, 0.3851, 0.2924 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 20.1608, 0.3851, 0.2924 by changing the saturation by 10% instead.


 20.1608, 0.3851,
0.2924


 20.1608, 0.3851,
0.2924


252.7843, 0.3440,
0.3131

 12.5120, 0.3974,
0.2862


 43.6866, 0.3688,
0.3006


 7.0934, 0.4147,
0.2776


 60.3324, 0.3631,
0.3035

 3.5206, 0.4406,
0.2646

 80.7460, 0.3584,
0.3058

 1.4092, 0.4835,
0.2432

 105.3117, 0.3546,
0.3078

 0.2235, 0.6764,
0.1440

134.4140, 0.3513,
0.3094

 0.0000, 0.0000,
0.0000

168.4373, 0.3485,

0.3109

207.7659, 0.3461,
0.3121

■ 20.1608, 0.3851,
0.2924

■ 20.1608, 0.3851,
0.2924

■ 16.7982, 0.4116,
0.2846

■ 24.3019, 0.3626,
0.3010

■ 14.1620, 0.4421,
0.2787

■ 29.2635, 0.3439,
0.3099

■ 12.1981, 0.4756,
0.2757


■ 35.0881, 0.3286,
0.3185


■ 10.8437, 0.5103,
0.2767

■ 41.8143, 0.3160,
0.3267

■ 10.0237, 0.5433,
0.2826

■ 49.4784, 0.3057,
0.3343

 9.6557, 0.5649,
0.2885

 58.1147, 0.2972,
0.3414

 67.7557, 0.2903,
0.3478

 78.4325, 0.2846,
0.3537

 86.7441, 0.2794,
0.3534

Harmonies

Analogous

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



20.1608, 0.3228, 0.2561



20.1608, 0.3851, 0.2924



20.1608, 0.4279, 0.3379

Triad

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



20.1608, 0.3851, 0.2924



20.1608, 0.3542, 0.4430



20.1608, 0.2031, 0.2563

Complementary

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



20.1608, 0.3851, 0.2924



36.4789, 0.2715, 0.3701

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.



20.1608, 0.2094, 0.3026



20.1608, 0.3851, 0.2924



20.1608, 0.2936, 0.4217

Square

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



20.1608, 0.3851, 0.2924



20.1608, 0.4066, 0.4256



20.1608, 0.2411, 0.3658



20.1608, 0.2216, 0.2343

Rectangle

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



20.1608, 0.3851, 0.2924



20.1608, 0.4369, 0.3699



20.1608, 0.2411, 0.3658



20.1608, 0.2024, 0.2691

Sweetspot

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



20.1618, 0.3851, 0.2924



62.5215, 0.3289, 0.3183



19.1254, 0.2877, 0.2160



13.0329, 0.3320, 0.3164



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.1618, 0.3851, 0.2924



30.1108, 0.4115, 0.2847



22.2469, 0.4140, 0.3480



8.5499, 0.3237, 0.3215



7.0057, 0.5620, 0.2870



0.2315, 0.4823, 0.2431

Inverse Universe

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



20.1618, 0.3851, 0.2924



30.1108, 0.4115, 0.2847



32.6126, 0.2519, 0.3084



8.5499, 0.3237, 0.3215



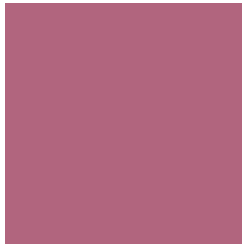
7.0057, 0.5620, 0.2870



0.2315, 0.4823, 0.2431

Previews

White Background



This preview shows how the Yxy color 20.1608, 0.3851, 0.2924 looks on a white background.

Color Contrast Check

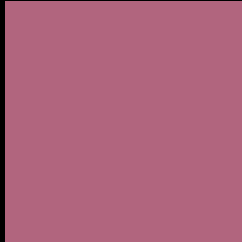
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1608, 0.3851, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

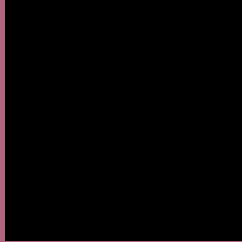
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1608, 0.3851, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 20.1608, 0.3851, 0.2924.



This preview shows how white text looks on a background with the Yxy color 20.1608, 0.3851, 0.2924.

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

20.1608, 0.3851, 0.2924

Protanopia

20.4463, 0.2931, 0.3002

Deuteranopia

20.1814, 0.3306, 0.3237



Tritanopia

20.2784, 0.4045, 0.3188

Trichromacy



Original Color

20.1608, 0.3851, 0.2924

Protanomaly

19.9908, 0.3231, 0.2966

Deuteranomaly

19.9409, 0.3505, 0.3108

Tritanomaly

20.1916, 0.3976, 0.3099

Monochromacy



Original Color

20.1608, 0.3851, 0.2924

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.5089, 0.3363, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1608, 0.3851, 0.2924 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(177, 101, 126)` looks like.

```
.text, #text, p{  
    color:rgb(177, 101, 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(177, 101, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 101, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.1608, 0.3851, 0.2924 is called "border". The border property can be set on classes, ids or directly on the HTML element.

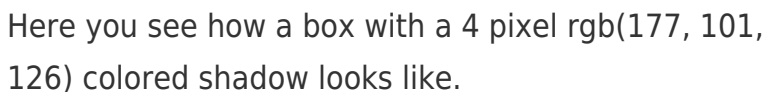
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 101, 126) }
```

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

```
.border{ border-color:rgb(177, 101, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 101, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 101, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 101, 126);  
box-shadow:4px 4px 4px 4px rgb(177, 101,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1608, 0.3851, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 101, 126) }
```

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

```
.background{ background-color: rgb(177,  
101, 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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