

Converting Colors

$Y_{xy}(20.8598, 0.4056, 0.2879)$

Have a look what the booklet for
Yxy(20.8598, 0.4056, 0.2879)
contains.

Yxy(20.9485, 0.4054, 0.2885)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9485, 0.4054, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	BF607E
RGB	191, 96, 126
RGB Percent	75%, 38%, 49%
CMY	0.2509, 0.6235, 0.5059
CMYK	0.00, 0.50, 0.34, 0.25
HSL	341°, 43%, 56%
HSV	341°, 50%, 75%
XYZ	29.4368, 20.9485, 22.2265
YIQ	127.8250, 46.9900, 29.4700

Conversions

Conversions Part 2

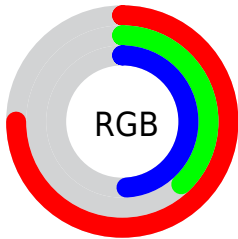
Format	Color
R_{YB}	191, 96, 126
Decimal	12542078
CIE Lab	52.89, 41.34, 1.02
CIE LCh	53, 41.348, 1.414
Yxy	20.9485, 0.4054, 0.2885
Android (android.graphics.Color)	4290732158 (0xFFBF607E)
YUV	127.8250, -0.8997, 55.4045
Hunter-Lab	45.7695, 34.7062, 3.2464

Details

The Yxy color **20.9485, 0.4054, 0.2885** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **42.3289, 0.2656, 0.3761**, and the grayscale version is **21.5137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0736, 0.3845, 0.2972**, and **7.5635, 0.4435, 0.2734** is the 20% darker color. If you saturate the color by 10%, you get **17.5618, 0.4357, 0.2822**, and if you desaturate by 10%, it is **25.2281, 0.3793, 0.2963**.

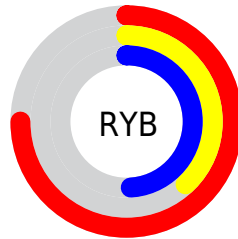
Distribution



Red (75%)

Green (38%)

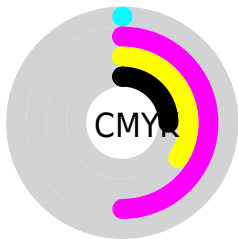
Blue (49%)



Red (75%)

Yellow (38%)

Blue (49%)

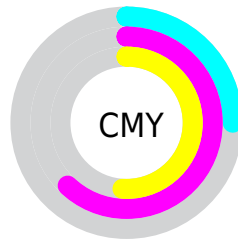


Cyan (0%)

Magenta (50%)

Yellow (34%)

Black (25%)



Cyan (25%)


Magenta (62%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9485, 0.4054, 0.2885 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 20.9485, 0.4054, 0.2885 by changing the saturation by 10% instead.


 20.9485, 0.4054,
0.2885


 20.9485, 0.4054,
0.2885


257.0047, 0.3530,
0.3115


 13.0864, 0.4209,
0.2816

 45.0018, 0.3847,
0.2976

 7.4880, 0.4425,
0.2720


 61.9618, 0.3774,
0.3008

 3.7691, 0.4744,
0.2577

 82.7231, 0.3715,
0.3034

 1.5453, 0.5261,
0.2342

 107.6703, 0.3666,
0.3056

 0.3203, 0.7019,
0.1598

137.1876, 0.3624,
0.3074

 0.0000, 1.0000,
0.0000

171.6595, 0.3588,

 0.0000, 0.0000,

0.3090

0.0000

211.4704, 0.3557,
0.3104

■ 20.9485, 0.4054,
0.2885

■ 20.9485, 0.4054,
0.2885

■ 17.5618, 0.4357,
0.2822

■ 25.2281, 0.3793,
0.2963

■ 15.0008, 0.4694,
0.2785

■ 30.4552, 0.3574,
0.3048

■ 13.1936, 0.5049,
0.2786

■ 36.6837, 0.3394,
0.3133

■ 12.0547, 0.5395,
0.2833

■ 43.9625, 0.3245,
0.3215

■ 11.4219, 0.5705,
0.2918


■ 52.3374, 0.3124,
0.3292

 11.4077, 0.5712,
0.2920

 61.8512, 0.3026,
0.3364

 72.5448, 0.2945,
0.3429

 84.4567, 0.2878,
0.3489

 89.1081, 0.2814,
0.3411

Harmonies

Analogous

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



20.9485, 0.3299, 0.2456



20.9485, 0.4054, 0.2885



20.9485, 0.4546, 0.3415

Triad

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



20.9485, 0.4054, 0.2885



20.9485, 0.3549, 0.4681



20.9485, 0.1842, 0.2383

Complementary

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



20.9485, 0.4054, 0.2885



42.3289, 0.2656, 0.3761

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.



20.9485, 0.1887, 0.2902



20.9485, 0.4054, 0.2885



20.9485, 0.2828, 0.4399

Square

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



20.9485, 0.4054, 0.2885



20.9485, 0.4195, 0.4459



20.9485, 0.2226, 0.3672



20.9485, 0.2075, 0.2161

Rectangle

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



20.9485, 0.4054, 0.2885



20.9485, 0.4622, 0.3788



20.9485, 0.2226, 0.3672



20.9485, 0.1825, 0.2522

Sweetspot

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



20.9496, 0.4054, 0.2885



71.3250, 0.3323, 0.3170



19.6968, 0.2839, 0.1978



15.0656, 0.3356, 0.3152



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.



20.9496, 0.4054, 0.2885



30.8188, 0.4396, 0.2816



23.8263, 0.4379, 0.3531



9.5847, 0.3240, 0.3218



7.5087, 0.5677, 0.2901



0.3063, 0.4980, 0.2517

Inverse Universe

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



20.9496, 0.4054, 0.2885



30.8188, 0.4396, 0.2816



36.3648, 0.2432, 0.3020



9.5847, 0.3240, 0.3218



7.5087, 0.5677, 0.2901



0.3063, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 20.9485, 0.4054, 0.2885 looks on a white background.

Color Contrast Check

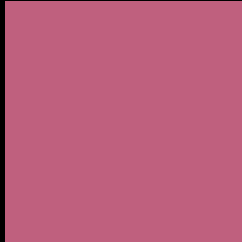
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9485, 0.4054, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

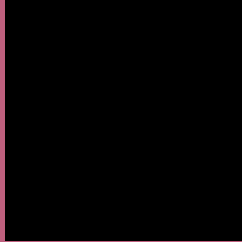
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9485, 0.4054, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 20.9485, 0.4054, 0.2885.



This preview shows how white text looks on a background with the Yxy color 20.9485, 0.4054, 0.2885.

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

20.9485, 0.4054, 0.2885

Protanopia

21.2204, 0.2914, 0.2972

Deuteranopia

21.2338, 0.3362, 0.3308



Tritanopia

20.9947, 0.4294, 0.3197

Trichromacy



Original Color

20.9485, 0.4054, 0.2885

Protanomaly

20.3635, 0.3284, 0.2925

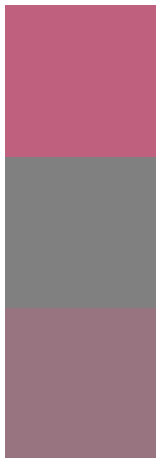
Deuteranomaly

20.6112, 0.3611, 0.3130

Tritanomaly

21.0857, 0.4207, 0.3087

Monochromacy



Original Color

20.9485, 0.4054, 0.2885

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6024, 0.3445, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9485, 0.4054, 0.2885 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, 96, 126)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 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, 96, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.9485, 0.4054, 0.2885 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, 96, 126) }
```

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

```
.border{ border-color:rgb(191, 96, 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, 96, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 96, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 96, 126); box-shadow:4px 4px 4px 4px rgb(191, 96, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9485, 0.4054, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 126) }
```

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

```
.background{ background-color: rgb(191, 96,  
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](#).

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