

Converting Colors

$Y_{xy}(20.4439, 0.3895, 0.2753)$

Have a look what the booklet for
Yxy(20.4439, 0.3895, 0.2753)
contains.

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Color

Yxy(20.4704, 0.3886, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	BB5F86
RGB	187, 95, 134
RGB Percent	73%, 37%, 53%
CMY	0.2667, 0.6274, 0.4746
CMYK	0.00, 0.49, 0.28, 0.27
HSL	335°, 40%, 55%
HSV	335°, 49%, 73%
XYZ	28.8845, 20.4704, 24.9748
YIQ	126.9540, 42.3130, 31.6330

Conversions

Conversions Part 2

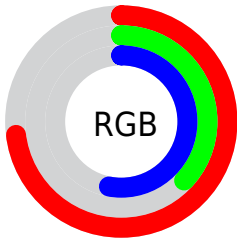
Format	Color
RYB	187, 95, 134
Decimal	12279686
CIELab	52.36, 41.48, -4.56
CIElCh	52, 41.733, 353.732
Yxy	20.4704, 0.3886, 0.2754
Android (android.graphics.Color)	4290469766 (0xFFBB5F86)
YUV	126.9540, 3.4737, 52.6603
Hunter-Lab	45.2442, 34.7794, -1.0571

Details

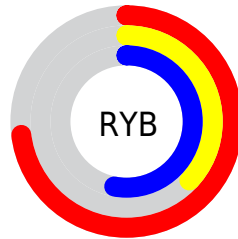
The Yxy color $20.4704, 0.3886, 0.2754$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $40.1067, 0.2722, 0.3923$, and the grayscale version is $21.1850, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1801, 0.3717, 0.2870$, and $7.2668, 0.4192, 0.2568$ is the 20% darker color. If you saturate the color by 10%, you get $17.2112, 0.4130, 0.2664$, and if you desaturate by 10%, it is $24.5708, 0.3675, 0.2860$.

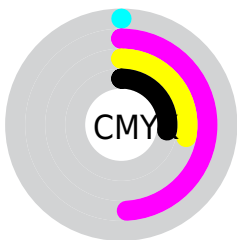
Distribution



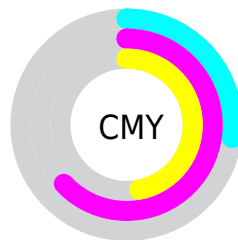
- Red (73%)
- Green (37%)
- Blue (53%)



- Red (73%)
- Yellow (37%)
- Blue (53%)



- Cyan (0%)
- Magenta (49%)
- Yellow (28%)
- Black (27%)





- Cyan (27%)
- Magenta (63%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4704, 0.3886, 0.2754 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 20.4704, 0.3886, 0.2754 by changing the saturation by 10% instead.


 20.4704, 0.3886,
0.2754


 20.4704, 0.3886,
0.2754


254.4504, 0.3460,
0.3050


 12.7374, 0.4011,
0.2670

 44.2044, 0.3718,
0.2869


 7.2480, 0.4184,
0.2554


 60.9743, 0.3660,
0.2910

 3.6177, 0.4440,
0.2387


 81.5253, 0.3611,
0.2944

 1.4621, 0.4852,
0.2125

 106.2418, 0.3571,
0.2972

 0.2618, 0.6067,
0.1190

135.5081, 0.3537,
0.2996

 0.0000, 1.0000,
0.0000

169.7087, 0.3508,

 0.0000, 0.0000,

0.3016

0.0000

209.2280, 0.3482,
0.3034

■ 20.4704, 0.3886,
0.2754

■ 20.4704, 0.3886,
0.2754

■ 17.2112, 0.4130,
0.2664

■ 24.5708, 0.3675,
0.2860

■ 14.7303, 0.4401,
0.2600

■ 29.5631, 0.3495,
0.2973

■ 12.9612, 0.4691,
0.2577


■ 35.4977, 0.3346,
0.3086

■ 11.8242, 0.4983,
0.2604


■ 42.4202, 0.3222,
0.3195


■ 11.1765, 0.5260,
0.2678

■ 50.3734, 0.3120,
0.3298

 11.1303, 0.5283,
0.2684

 59.3973, 0.3035,
0.3394

 69.5301, 0.2966,
0.3483

 80.8078, 0.2909,
0.3564

 87.8508, 0.2857,
0.3552

Harmonies

Analogous

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



20.4704, 0.3100, 0.2358



20.4704, 0.3886, 0.2754



20.4704, 0.4482, 0.3272

Triad

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



20.4704, 0.3886, 0.2754



20.4704, 0.3736, 0.4688



20.4704, 0.1808, 0.2473

Complementary

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



20.4704, 0.3886, 0.2754



40.1067, 0.2722, 0.3923

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.



20.4704, 0.1928, 0.3077



20.4704, 0.3886, 0.2754



20.4704, 0.3005, 0.4548

Square

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



20.4704, 0.3886, 0.2754



20.4704, 0.4343, 0.4364



20.4704, 0.2346, 0.3891



20.4704, 0.1973, 0.2175

Rectangle

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



20.4704, 0.3886, 0.2754



20.4704, 0.4643, 0.3647



20.4704, 0.2346, 0.3891



20.4704, 0.1815, 0.2640

Sweetspot

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



20.4714, 0.3886, 0.2754



68.2588, 0.3294, 0.3130



17.9905, 0.2723, 0.1950



14.4712, 0.3321, 0.3106



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.4714, 0.3886, 0.2754



30.4399, 0.4150, 0.2658



20.7261, 0.4438, 0.3378



9.6016, 0.3224, 0.3193



7.6842, 0.5253, 0.2667



0.3141, 0.4644, 0.2332

Inverse Universe

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



20.4714, 0.3886, 0.2754



30.4399, 0.4150, 0.2658



39.0091, 0.2471, 0.3194



9.6016, 0.3224, 0.3193



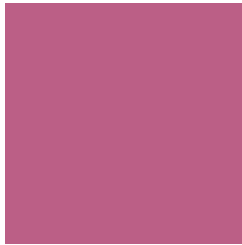
7.6842, 0.5253, 0.2667



0.3141, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 20.4704, 0.3886, 0.2754 looks on a white background.

Color Contrast Check

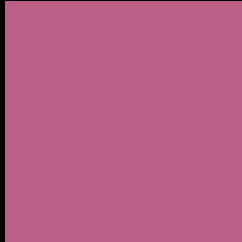
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4704, 0.3886, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

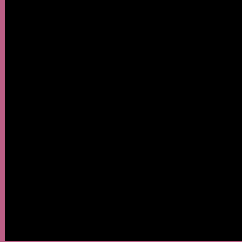
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4704, 0.3886, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 20.4704, 0.3886, 0.2754.



This preview shows how white text looks on a background with the Yxy color 20.4704, 0.3886, 0.2754.

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

20.4704, 0.3886, 0.2754

Protanopia

20.6371, 0.2770, 0.2780

Deuteranopia

20.7650, 0.3207, 0.3150



Tritanopia

20.4902, 0.4244, 0.3195

Trichromacy



Original Color

20.4704, 0.3886, 0.2754

Protanomaly

19.8149, 0.3128, 0.2743

Deuteranomaly

20.1956, 0.3456, 0.2981

Tritanomaly

20.4588, 0.4117, 0.3027

Monochromacy



Original Color

20.4704, 0.3886, 0.2754

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2627, 0.3384, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4704, 0.3886, 0.2754 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(187, 95, 134)` looks like.

```
.text, #text, p{  
  color:rgb(187, 95, 134)  
}
```

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(187, 95, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 95, 134) }
```

Border

The CSS property to change the border of an element to Yxy 20.4704, 0.3886, 0.2754 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(187, 95, 134) }
```

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

```
.border{ border-color:rgb(187, 95, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 95, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 95, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 95, 134);  
box-shadow:4px 4px 4px 4px rgb(187, 95,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4704, 0.3886, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 95, 134) }
```

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

```
.background{ background-color: rgb(187, 95,  
134) }
```

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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