

Converting Colors

$Y_{xy}(20.3229, 0.3941, 0.2806)$

Have a look what the booklet for
Yxy(20.3229, 0.3941, 0.2806)
contains.

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Color

Yxy(20.3609, 0.3946, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	BB5F82
RGB	187, 95, 130
RGB Percent	73%, 37%, 51%
CMY	0.2667, 0.6274, 0.4902
CMYK	0.00, 0.49, 0.30, 0.27
HSL	337°, 40%, 55%
HSV	337°, 49%, 73%
XYZ	28.6126, 20.3609, 23.5369
YIQ	126.4980, 43.5970, 30.3890

Conversions

Conversions Part 2

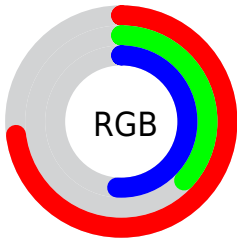
Format	Color
R_{YB}	187, 95, 130
Decimal	12279682
CIE Lab	52.24, 40.95, -2.37
CIE LCh	52, 41.020, 356.687
Yxy	20.3609, 0.3946, 0.2808
Android (android.graphics.Color)	4290469762 (0xFFBB5F82)
YUV	126.4980, 1.7265, 53.0603
Hunter-Lab	45.1231, 34.2217, 0.6596

Details

The Yxy color **20.3609, 0.3946, 0.2808** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.2378, 0.2697, 0.3855**, and the grayscale version is **21.0264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0112, 0.3759, 0.2913**, and **7.2207, 0.4267, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **17.0935, 0.4212, 0.2728**, and if you desaturate by 10%, it is **24.4739, 0.3716, 0.2903**.

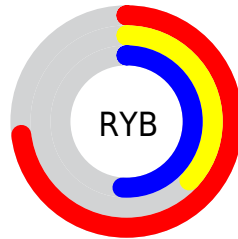
Distribution



Red (73%)

Green (37%)

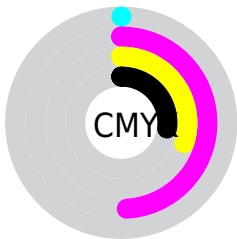
Blue (51%)



Red (73%)

Yellow (37%)

Blue (51%)

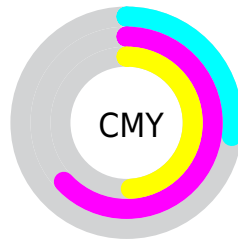


Cyan (0%)

Magenta (49%)

Yellow (30%)

Black (27%)



Cyan (27%)


Magenta (63%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3609, 0.3946, 0.2808 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 20.3609, 0.3946, 0.2808 by changing the saturation by 10% instead.


 20.3609, 0.3946,
0.2808

 20.3609, 0.3946,
0.2808


253.8622, 0.3484,
0.3077


 12.6577, 0.4083,
0.2730


 44.0214, 0.3763,
0.2914


 7.1932, 0.4273,
0.2622


 60.7475, 0.3700,
0.2951

 3.5832, 0.4555,
0.2463

 81.2500, 0.3647,
0.2981

 1.4433, 0.5014,
0.2210

 105.9133, 0.3604,
0.3007

 0.2483, 0.6552,
0.1251

135.1217, 0.3567,
0.3028

 0.0000, 1.0000,
0.0000

169.2598, 0.3535,

 0.0000, 0.0000,

0.3047

0.0000

208.7118, 0.3508,
0.3063

■ 20.3609, 0.3946,
0.2808

■ 20.3609, 0.3946,
0.2808

■ 17.0935, 0.4212,
0.2728

■ 24.4739, 0.3716,
0.2903

■ 14.6087, 0.4509,
0.2675

■ 29.4835, 0.3522,
0.3005

■ 12.8395, 0.4826,
0.2661


■ 35.4402, 0.3361,
0.3106


■ 11.7060, 0.5142,
0.2695


■ 42.3901, 0.3228,
0.3205


■ 11.0650, 0.5437,
0.2775

■ 50.3758, 0.3119,
0.3297

 11.0199, 0.5460,
0.2782

 59.4379, 0.3030,
0.3383

 69.6145, 0.2956,
0.3463

 80.9418, 0.2896,
0.3535

 88.0406, 0.2840,
0.3515

Harmonies

Analogous

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



20.3609, 0.3177, 0.2401



20.3609, 0.3946, 0.2808



20.3609, 0.4498, 0.3328

Triad

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



20.3609, 0.3946, 0.2808



20.3609, 0.3661, 0.4677



20.3609, 0.1828, 0.2443

Complementary

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



20.3609, 0.3946, 0.2808



40.2378, 0.2697, 0.3855

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.



20.3609, 0.1919, 0.3010



20.3609, 0.3946, 0.2808



20.3609, 0.2938, 0.4483

Square

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



20.3609, 0.3946, 0.2808



20.3609, 0.4279, 0.4395



20.3609, 0.2304, 0.3802



20.3609, 0.2019, 0.2176

Rectangle

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



20.3609, 0.3946, 0.2808



20.3609, 0.4625, 0.3700



20.3609, 0.2304, 0.3802



20.3609, 0.1827, 0.2599

Sweetspot

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



20.3619, 0.3946, 0.2808



68.1750, 0.3306, 0.3146



18.4240, 0.2774, 0.1969



14.4506, 0.3335, 0.3125



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.



20.3619, 0.3946, 0.2808



30.2286, 0.4234, 0.2723



21.6456, 0.4403, 0.3442



9.5948, 0.3230, 0.3203



7.6067, 0.5429, 0.2764



0.3108, 0.4778, 0.2406

Inverse Universe

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



20.3619, 0.3946, 0.2808



30.2286, 0.4234, 0.2723



37.1738, 0.2458, 0.3122



9.5948, 0.3230, 0.3203



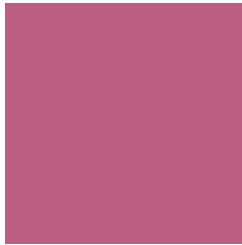
7.6067, 0.5429, 0.2764



0.3108, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 20.3609, 0.3946, 0.2808 looks on a white background.

Color Contrast Check

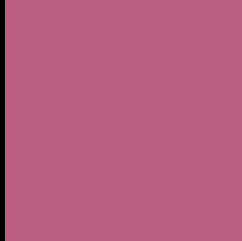
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3609, 0.3946, 0.2808 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 20.3609, 0.3946, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 20.3609, 0.3946, 0.2808.



This preview shows how white text looks on a background with the Yxy color 20.3609, 0.3946, 0.2808.

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

20.3609, 0.3946, 0.2808

Protanopia

20.5465, 0.2829, 0.2863

Deuteranopia

20.4995, 0.3268, 0.3202



Tritanopia

20.2995, 0.4250, 0.3181

Trichromacy



Original Color

20.3609, 0.3946, 0.2808

Protanomaly

19.6626, 0.3187, 0.2821

Deuteranomaly

20.0892, 0.3508, 0.3045

Tritanomaly

20.4123, 0.4147, 0.3055

Monochromacy



Original Color

20.3609, 0.3946, 0.2808

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2095, 0.3409, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3609, 0.3946, 0.2808 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(187, 95, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 95, 130) }
```

Border

The CSS property to change the border of an element to Yxy 20.3609, 0.3946, 0.2808 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, 130) }
```

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

```
.border{ border-color:rgb(187, 95, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 95, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 95, 130);  
box-shadow:4px 4px 4px 4px rgb(187, 95,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3609, 0.3946, 0.2808 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, 130) }
```

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

```
.background{ background-color: rgb(187, 95,  
130) }
```

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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