

Converting Colors

$Y_{xy}(20.7611, 0.3960, 0.2827)$

Have a look what the booklet for
Yxy(20.7611, 0.3960, 0.2827)
contains.

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Color

Yxy(20.6688, 0.3955, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	BC6082
RGB	188, 96, 130
RGB Percent	74%, 38%, 51%
CMY	0.2628, 0.6234, 0.4903
CMYK	0.00, 0.49, 0.31, 0.26
HSL	338°, 41%, 56%
HSV	338°, 49%, 74%
XYZ	28.9466, 20.6688, 23.5744
YIQ	127.3840, 43.9180, 30.0780

Conversions

Conversions Part 2

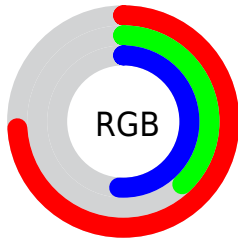
Format	Color
R_{YB}	188, 96, 130
Decimal	12345474
CIE _{Lab}	52.59, 40.77, -1.84
CIE _{LCh}	53, 40.816, 357.410
Yxy	20.6688, 0.3955, 0.2824
Android (android.graphics.Color)	4290535554 (0xFFBC6082)
YUV	127.3840, 1.2897, 53.1602
Hunter-Lab	45.4630, 34.0920, 1.0797

Details

The Yxy color **20.6688, 0.3955, 0.2824** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.7807, 0.2693, 0.3834**, and the grayscale version is **21.3478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5066, 0.3765, 0.2925**, and **7.3764, 0.4280, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **17.3390, 0.4226, 0.2746**, and if you desaturate by 10%, it is **24.8575, 0.3721, 0.2917**.

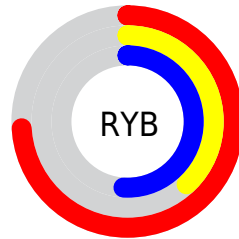
Distribution



Red (74%)

Green (38%)

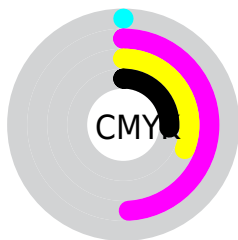
Blue (51%)



Red (74%)

Yellow (38%)

Blue (51%)

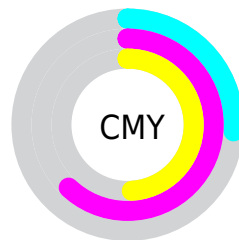


Cyan (0%)

Magenta (49%)

Yellow (31%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6688, 0.3955, 0.2824 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 20.6688, 0.3955, 0.2824 by changing the saturation by 10% instead.


 20.6688, 0.3955,
0.2824


 20.6688, 0.3955,
0.2824


255.5131, 0.3488,
0.3085


 12.8821, 0.4093,
0.2748


 44.5357, 0.3771,
0.2926

 7.3474, 0.4284,
0.2643


 61.3847, 0.3706,
0.2962

 3.6803, 0.4568,
0.2490

 82.0232, 0.3653,
0.2992

 1.4964, 0.5028,
0.2244

 106.8357, 0.3609,
0.3016

 0.2862, 0.6489,
0.1383

136.2065, 0.3572,
0.3037

 0.0000, 1.0000,
0.0000

170.5201, 0.3540,

 0.0000, 0.0000,

0.3055

0.0000

210.1608, 0.3513,
0.3071

■ 20.6688, 0.3955,
0.2824

■ 20.6688, 0.3955,
0.2824

■ 17.3390, 0.4226,
0.2746

■ 24.8575, 0.3721,
0.2917

■ 14.8043, 0.4529,
0.2695

■ 29.9567, 0.3525,
0.3015

■ 12.9971, 0.4852,
0.2681


■ 36.0175, 0.3361,
0.3114


■ 11.8367, 0.5174,
0.2717

■ 43.0865, 0.3227,
0.3210

■ 11.1841, 0.5473,
0.2797


■ 51.2070, 0.3116,
0.3299

 11.1239, 0.5505,
0.2806

 60.4199, 0.3026,
0.3383

 70.7639, 0.2952,
0.3459

 82.2758, 0.2891,
0.3530

 88.3055, 0.2833,
0.3488

Harmonies

Analogous

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



20.6688, 0.3195, 0.2416



20.6688, 0.3955, 0.2824



20.6688, 0.4493, 0.3342

Triad

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



20.6688, 0.3955, 0.2824



20.6688, 0.3641, 0.4665



20.6688, 0.1840, 0.2442

Complementary

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



20.6688, 0.3955, 0.2824



40.7807, 0.2693, 0.3834

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.



20.6688, 0.1924, 0.2997



20.6688, 0.3955, 0.2824



20.6688, 0.2924, 0.4458

Square

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



20.6688, 0.3955, 0.2824



20.6688, 0.4257, 0.4396



20.6688, 0.2300, 0.3777



20.6688, 0.2036, 0.2183

Rectangle

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



20.6688, 0.3955, 0.2824



20.6688, 0.4612, 0.3711



20.6688, 0.2300, 0.3777



20.6688, 0.1837, 0.2593

Sweetspot

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



20.6698, 0.3955, 0.2824



69.7818, 0.3309, 0.3150



18.7458, 0.2777, 0.1976



14.4454, 0.3338, 0.3130



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.



20.6698, 0.3955, 0.2824



30.8846, 0.4256, 0.2739



21.9974, 0.4393, 0.3442



9.5931, 0.3232, 0.3206



7.5886, 0.5473, 0.2788



0.3100, 0.4813, 0.2425

Inverse Universe

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



20.6698, 0.3955, 0.2824



30.8846, 0.4256, 0.2739



37.6625, 0.2460, 0.3123



9.5931, 0.3232, 0.3206



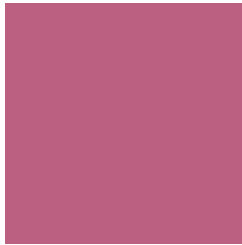
7.5886, 0.5473, 0.2788



0.3100, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 20.6688, 0.3955, 0.2824 looks on a white background.

Color Contrast Check

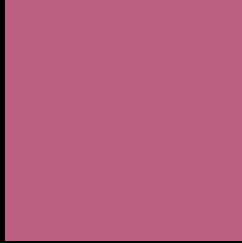
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6688, 0.3955, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

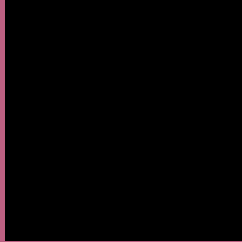
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6688, 0.3955, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 20.6688, 0.3955, 0.2824.



This preview shows how white text looks on a background with the Yxy color 20.6688, 0.3955, 0.2824.

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

20.6688, 0.3955, 0.2824

Protanopia

20.9429, 0.2851, 0.2884

Deuteranopia

20.8287, 0.3279, 0.3220



Tritanopia

20.6150, 0.4256, 0.3195

Trichromacy



Original Color

20.6688, 0.3955, 0.2824

Protanomaly

20.0687, 0.3211, 0.2842

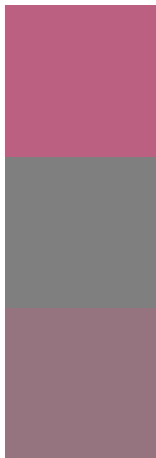
Deuteranomaly

20.4105, 0.3518, 0.3063

Tritanomaly

20.7263, 0.4154, 0.3070

Monochromacy



Original Color

20.6688, 0.3955, 0.2824

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4389, 0.3407, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6688, 0.3955, 0.2824 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(188, 96, 130)` looks like.

```
.text, #text, p{  
    color:rgb(188, 96, 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(188, 96, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 96, 130) }
```

Border

The CSS property to change the border of an element to Yxy 20.6688, 0.3955, 0.2824 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(188, 96, 130) }
```

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

```
.border{ border-color:rgb(188, 96, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 96, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 96, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 96, 130);  
box-shadow:4px 4px 4px 4px rgb(188, 96,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6688, 0.3955, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 96, 130) }
```

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

```
.background{ background-color: rgb(188, 96,  
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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