

Converting Colors

$Y_{xy}(20.3504, 0.4279, 0.3174)$

Have a look what the booklet for
Yxy(20.3504, 0.4279, 0.3174)
contains.

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Color

Yxy(20.3617, 0.4281, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	BB626B
RGB	187, 98, 107
RGB Percent	73%, 38%, 42%
CMY	0.2667, 0.6157, 0.5803
CMYK	0.00, 0.48, 0.43, 0.27
HSL	354°, 40%, 56%
HSV	354°, 48%, 73%
XYZ	27.5153, 20.3617, 16.3961
YIQ	125.6370, 50.1550, 21.6670

Conversions

Conversions Part 2

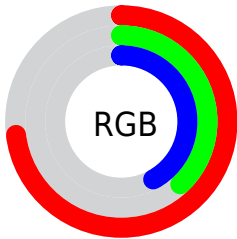
Format	Color
R _Y B	187, 98, 107
Decimal	12280427
CIE Lab	52.24, 36.61, 11.26
CIE LCh	52, 38.300, 17.094
Yxy	20.3617, 0.4281, 0.3168
Android (android.graphics.Color)	4290470507 (0xFFBB626B)
YUV	125.6370, -9.1880, 53.8154
Hunter-Lab	45.1239, 29.8773, 10.0434

Details

The Yxy color **20.3617, 0.4281, 0.3168** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.3495, 0.2556, 0.3427**, and the grayscale version is **20.7547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1947, 0.4021, 0.3216**, and **7.1860, 0.4746, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **16.9424, 0.4680, 0.3151**, and if you desaturate by 10%, it is **24.6692, 0.3940, 0.3192**.

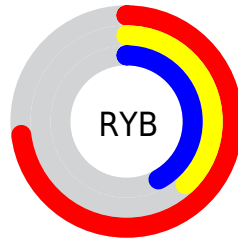
Distribution



Red (73%)

Green (38%)

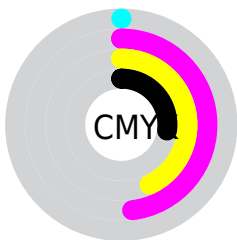
Blue (42%)



Red (73%)

Yellow (38%)

Blue (42%)

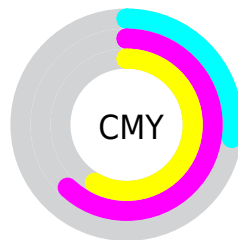


Cyan (0%)

Magenta (48%)

Yellow (43%)

Black (27%)



Cyan (27%)


Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3617, 0.4281, 0.3168 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 20.3617, 0.4281, 0.3168 by changing the saturation by 10% instead.


 20.3617, 0.4281,
0.3168


 20.3617, 0.4281,
0.3168


253.8665, 0.3620,
0.3256


 12.6582, 0.4479,
0.3133


 44.0228, 0.4018,
0.3208


 7.1936, 0.4757,
0.3077


 60.7492, 0.3926,
0.3221

 3.5835, 0.5170,
0.2980

 81.2520, 0.3851,
0.3230

 1.4434, 0.5861,
0.2802

 105.9157, 0.3789,
0.3238

 0.2484, 0.8241,
0.1759

135.1246, 0.3737,
0.3244

 0.0000, 1.0000,
0.0000


169.2631, 0.3692,


 0.0000, 0.0000,


0.3248

0.0000

208.7156, 0.3654,
0.3252


 20.3617, 0.4281,
0.3168


 20.3617, 0.4281,
0.3168


 16.9424, 0.4680,
0.3151


 24.6692, 0.3940,
0.3192

 14.3465, 0.5120,
0.3145

 29.9176, 0.3657,
0.3219


 12.5051, 0.5564,
0.3156


 36.1593, 0.3428,
0.3246


 11.3372, 0.5953,
0.3186

 43.4418, 0.3243,
0.3272

 10.7240, 0.6232,
0.3229


 51.8096, 0.3094,
0.3296

 10.6111, 0.6284,
0.3235

 61.3047, 0.2974,
0.3318

 71.9667, 0.2877,
0.3338

 83.8334, 0.2798,
0.3356

 89.3043, 0.2736,
0.3289

Harmonies

Analogous

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



20.3617, 0.3672, 0.2700



20.3617, 0.4281, 0.3168



20.3617, 0.4530, 0.3694

Triad

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



20.3617, 0.4281, 0.3168



20.3617, 0.3174, 0.4510



20.3617, 0.1996, 0.2294

Complementary

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



20.3617, 0.4281, 0.3168



41.3495, 0.2556, 0.3427

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.



20.3617, 0.1900, 0.2640



20.3617, 0.4281, 0.3168



20.3617, 0.2530, 0.3999

Square

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



20.3617, 0.4281, 0.3168



20.3617, 0.3841, 0.4543



20.3617, 0.2078, 0.3257



20.3617, 0.2355, 0.2213

Rectangle

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



20.3617, 0.4281, 0.3168



20.3617, 0.4452, 0.4039



20.3617, 0.2078, 0.3257



20.3617, 0.1934, 0.2378

Sweetspot

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



20.3627, 0.4281, 0.3168



68.9387, 0.3361, 0.3255



21.6259, 0.3060, 0.2109



14.5830, 0.3404, 0.3249



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.



20.3627, 0.4281, 0.3168



30.1677, 0.4694, 0.3150



27.9810, 0.4169, 0.3767



9.5517, 0.3273, 0.3267



7.3167, 0.6266, 0.3225



0.2919, 0.5833, 0.2987

Inverse Universe

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



20.3627, 0.4281, 0.3168



30.1677, 0.4694, 0.3150



28.9289, 0.2404, 0.2740



9.5517, 0.3273, 0.3267



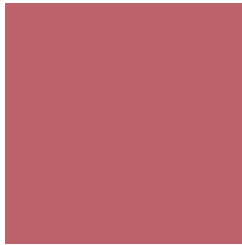
7.3167, 0.6266, 0.3225



0.2919, 0.5833, 0.2987

Previews

White Background



This preview shows how the Yxy color 20.3617, 0.4281, 0.3168 looks on a white background.

Color Contrast Check

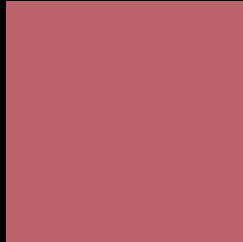
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3617, 0.4281, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

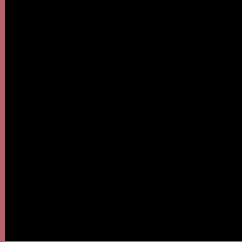
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3617, 0.4281, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 20.3617, 0.4281, 0.3168.



This preview shows how white text looks on a background with the Yxy color 20.3617, 0.4281, 0.3168.

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

20.3617, 0.4281, 0.3168

Protanopia

20.6369, 0.3208, 0.3363

Deuteranopia

20.4320, 0.3660, 0.3588



Tritanopia

20.3201, 0.4312, 0.3196

Trichromacy



Original Color

20.3617, 0.4281, 0.3168

Protanomaly

19.9120, 0.3565, 0.3274

Deuteranomaly

20.0614, 0.3888, 0.3422

Tritanomaly

20.3408, 0.4297, 0.3182

Monochromacy



Original Color

20.3617, 0.4281, 0.3168

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1186, 0.3509, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3617, 0.4281, 0.3168 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, 98, 107)` looks like.

```
.text, #text, p{  
    color:rgb(187, 98, 107)  
}
```

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, 98, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 98, 107) }
```

Border

The CSS property to change the border of an element to Yxy 20.3617, 0.4281, 0.3168 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, 98, 107) }
```

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

```
.border{ border-color:rgb(187, 98, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 98, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 98, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 98, 107); box-shadow:4px 4px 4px 4px rgb(187, 98, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3617, 0.4281, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 98, 107) }
```

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

```
.background{ background-color: rgb(187, 98,  
107) }
```

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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