

Converting Colors

$Y_{xy}(21.0246, 0.4229, 0.3209)$

Have a look what the booklet for
Yxy(21.0246, 0.4229, 0.3209)
contains.

Yxy(21.0246, 0.4229, 0.3209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0246, 0.4229, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	BA666C
RGB	186, 102, 108
RGB Percent	73%, 40%, 42%
CMY	0.2706, 0.6000, 0.5765
CMYK	0.00, 0.45, 0.42, 0.27
HSL	356°, 38%, 56%
HSV	356°, 45%, 73%
XYZ	27.7074, 21.0246, 16.7856
YIQ	127.8000, 48.1380, 19.6740

Conversions

Conversions Part 2

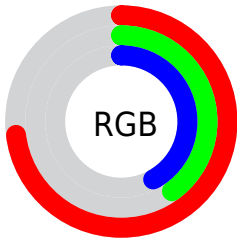
Format	Color
R_{YB}	186, 102, 108
Decimal	12215916
CIE _{Lab}	52.98, 34.22, 11.69
CIE _{LCh}	53, 36.158, 18.855
Yxy	21.0246, 0.4229, 0.3209
Android (android.graphics.Color)	4290405996 (0xFFBA666C)
YUV	127.8000, -9.7614, 51.0414
Hunter-Lab	45.8526, 27.6204, 10.3921

Details

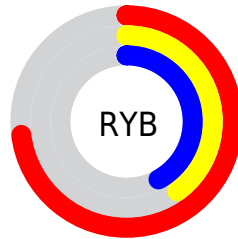
The Yxy color **21.0246, 0.4229, 0.3209** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.2371, 0.2564, 0.3380**, and the grayscale version is **21.5364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3584, 0.3985, 0.3249**, and **7.5387, 0.4681, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **17.4385, 0.4628, 0.3196**, and if you desaturate by 10%, it is **25.5058, 0.3890, 0.3226**.

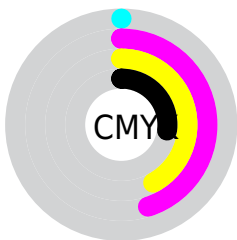
Distribution



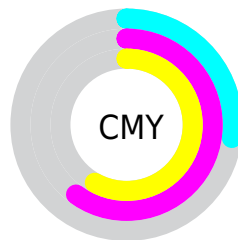
- Red (73%)
- Green (40%)
- Blue (42%)



- Red (73%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (45%)
- Yellow (42%)
- Black (27%)





- Cyan (27%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0246, 0.4229, 0.3209 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 21.0246, 0.4229, 0.3209 by changing the saturation by 10% instead.


 21.0246, 0.4229,
0.3209


 21.0246, 0.4229,
0.3209


257.4092, 0.3600,
0.3273


 13.1420, 0.4417,
0.3181


 45.1285, 0.3979,
0.3240


 7.5264, 0.4679,
0.3137


 62.1185, 0.3892,
0.3249

 3.7934, 0.5067,
0.3057

 82.9132, 0.3821,
0.3255

 1.5587, 0.5705,
0.2903

 107.8968, 0.3762,
0.3261

 0.3295, 0.7828,
0.2172

137.4538, 0.3712,
0.3265

 0.0000, 1.0000,
0.0000

171.9686, 0.3669,

 0.0000, 0.0000,

0.3268

0.0000

211.8256, 0.3633,
0.3271

■ 21.0246, 0.4229,
0.3209

■ 21.0246, 0.4229,
0.3209

■ 17.4385, 0.4628,
0.3196

■ 25.5058, 0.3890,
0.3226

■ 14.6844, 0.5073,
0.3191

■ 30.9333, 0.3612,
0.3245

■ 12.6964, 0.5529,
0.3197


■ 37.3582, 0.3387,
0.3264

■ 11.3967, 0.5934,
0.3218


■ 44.8268, 0.3206,
0.3281

■ 10.6908, 0.6227,
0.3249


■ 53.3829, 0.3061,
0.3298

 10.4685, 0.6325,
0.3258

 63.0675, 0.2943,
0.3313

 73.9195, 0.2848,
0.3327

 85.9760, 0.2771,
0.3339

 89.1787, 0.2731,
0.3289

Harmonies

Analogous

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



21.0246, 0.3677, 0.2758



21.0246, 0.4229, 0.3209



21.0246, 0.4441, 0.3709

Triad

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



21.0246, 0.4229, 0.3209



21.0246, 0.3139, 0.4405



21.0246, 0.2074, 0.2343

Complementary

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



21.0246, 0.4229, 0.3209



41.2371, 0.2564, 0.3380

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.



21.0246, 0.1968, 0.2659



21.0246, 0.4229, 0.3209



21.0246, 0.2539, 0.3911

Square

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



21.0246, 0.4229, 0.3209



21.0246, 0.3769, 0.4472



21.0246, 0.2124, 0.3225



21.0246, 0.2429, 0.2277

Rectangle

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



21.0246, 0.4229, 0.3209



21.0246, 0.4357, 0.4030



21.0246, 0.2124, 0.3225



21.0246, 0.2010, 0.2419

Sweetspot

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



21.0257, 0.4229, 0.3209



68.8877, 0.3369, 0.3265



22.6327, 0.3098, 0.2177



14.5704, 0.3412, 0.3261



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.



21.0257, 0.4229, 0.3209



31.7605, 0.4617, 0.3196



29.2903, 0.4080, 0.3782



9.0223, 0.3277, 0.3274



7.0475, 0.6309, 0.3249



0.2520, 0.5966, 0.3060

Inverse Universe

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



21.0257, 0.4229, 0.3209



31.7605, 0.4617, 0.3196



28.5039, 0.2431, 0.2727



9.0223, 0.3277, 0.3274



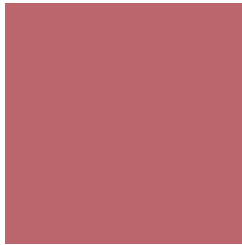
7.0475, 0.6309, 0.3249



0.2520, 0.5966, 0.3060

Previews

White Background



This preview shows how the Yxy color 21.0246, 0.4229, 0.3209 looks on a white background.

Color Contrast Check

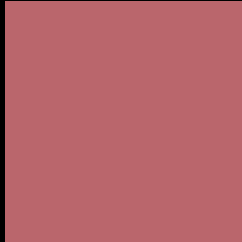
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0246, 0.4229, 0.3209 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 21.0246, 0.4229, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 21.0246, 0.4229, 0.3209.



This preview shows how white text looks on a background with the Yxy color 21.0246, 0.4229, 0.3209.

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

21.0246, 0.4229, 0.3209

Protanopia

21.1275, 0.3244, 0.3380

Deuteranopia

21.1420, 0.3652, 0.3584



Tritanopia

21.0460, 0.4214, 0.3195

Trichromacy



Original Color

21.0246, 0.4229, 0.3209

Protanomaly

20.5628, 0.3584, 0.3308

Deuteranomaly

20.8791, 0.3857, 0.3437

Tritanomaly

21.0460, 0.4214, 0.3195

Monochromacy



Original Color

21.0246, 0.4229, 0.3209

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9637, 0.3487, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0246, 0.4229, 0.3209 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(186, 102, 108)` looks like.

```
.text, #text, p{  
    color:rgb(186, 102, 108)  
}
```

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(186, 102, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 102, 108) }
```

Border

The CSS property to change the border of an element to Yxy 21.0246, 0.4229, 0.3209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

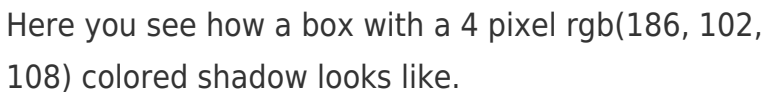
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 102, 108) }
```

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

```
.border{ border-color:rgb(186, 102, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 102, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 102, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 102, 108);  
box-shadow:4px 4px 4px 4px rgb(186, 102,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0246, 0.4229, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 102, 108) }
```

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

```
.background{ background-color: rgb(186,  
102, 108) }
```

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