

Converting Colors

$Y_{xy}(21.1596, 0.4281, 0.3174)$

Have a look what the booklet for
Yxy(21.1596, 0.4281, 0.3174)
contains.

Yxy(21.1656, 0.4276, 0.3170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1656, 0.4276, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	BE646D
RGB	190, 100, 109
RGB Percent	75%, 39%, 43%
CMY	0.2550, 0.6078, 0.5725
CMYK	0.00, 0.47, 0.43, 0.25
HSL	354°, 41%, 57%
HSV	354°, 47%, 75%
XYZ	28.5502, 21.1656, 17.0527
YIQ	127.9360, 50.7510, 21.8790

Conversions

Conversions Part 2

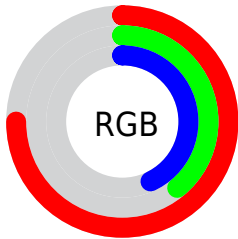
Format	Color
R _Y B	190, 100, 109
Decimal	12477549
CIE Lab	53.13, 36.88, 11.38
CIE LCh	53, 38.599, 17.154
Yxy	21.1656, 0.4276, 0.3170
Android (android.graphics.Color)	4290667629 (0xFFBE646D)
YUV	127.9360, -9.3354, 54.4301
Hunter-Lab	46.0061, 30.2618, 10.2278

Details

The Yxy color **21.1656, 0.4276, 0.3170** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.8653, 0.2557, 0.3425**, and the grayscale version is **21.5844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4603, 0.4020, 0.3217**, and **7.6156, 0.4728, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **17.6036, 0.4675, 0.3153**, and if you desaturate by 10%, it is **25.6511, 0.3935, 0.3194**.

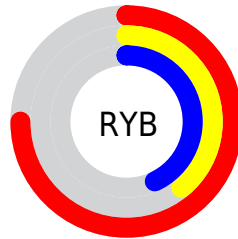
Distribution



Red (75%)

Green (39%)

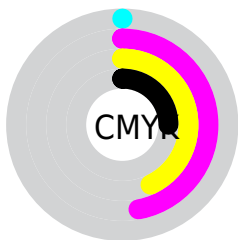
Blue (43%)



Red (75%)

Yellow (39%)

Blue (43%)

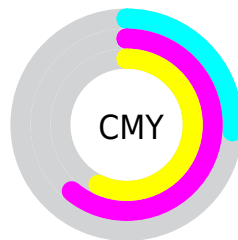


Cyan (0%)

Magenta (47%)

Yellow (43%)

Black (25%)



Cyan (26%)


Magenta (61%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1656, 0.4276, 0.3170 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 21.1656, 0.4276, 0.3170 by changing the saturation by 10% instead.

 21.1656, 0.4276,
0.3170


 21.1656, 0.4276,
0.3170


258.1573, 0.3622,
0.3256


 13.2451, 0.4471,
0.3136

 45.3630, 0.4016,
0.3210


 7.5975, 0.4742,
0.3082


 62.4086, 0.3926,
0.3222

 3.8385, 0.5142,
0.2989

 83.2648, 0.3852,
0.3231

 1.5836, 0.5790,
0.2813

 108.3159, 0.3790,
0.3238

 0.3465, 0.7886,
0.2114

137.9463, 0.3738,
0.3244

 0.0000, 1.0000,
0.0000


172.5404, 0.3694,


 0.0000, 0.0000,


0.3249


0.0000

212.4826, 0.3655,
0.3253


 21.1656, 0.4276,
0.3170


 21.1656, 0.4276,
0.3170

 17.6036, 0.4675,
0.3153

 25.6511, 0.3935,
0.3194


 14.8978, 0.5116,
0.3147


 31.1149, 0.3653,
0.3220


 12.9769, 0.5561,
0.3158


 37.6112, 0.3424,
0.3247

 11.7566, 0.5952,
0.3187

 45.1895, 0.3239,
0.3272

 11.1180, 0.6231,
0.3230

 53.8959, 0.3091,
0.3296

 10.9920, 0.6288,
0.3237

 63.7741, 0.2971,
0.3318

 74.8651, 0.2874,
0.3338

 87.2082, 0.2795,
0.3356

 89.6850, 0.2752,
0.3289

Harmonies

Analogous

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



21.1656, 0.3671, 0.2703



21.1656, 0.4276, 0.3170



21.1656, 0.4523, 0.3694

Triad

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



21.1656, 0.4276, 0.3170



21.1656, 0.3173, 0.4503



21.1656, 0.2001, 0.2298

Complementary

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



21.1656, 0.4276, 0.3170



42.8653, 0.2557, 0.3425

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.



21.1656, 0.1905, 0.2643



21.1656, 0.4276, 0.3170



21.1656, 0.2532, 0.3993

Square

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



21.1656, 0.4276, 0.3170



21.1656, 0.3836, 0.4537



21.1656, 0.2082, 0.3256



21.1656, 0.2359, 0.2218

Rectangle

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



21.1656, 0.4276, 0.3170



21.1656, 0.4445, 0.4037



21.1656, 0.2082, 0.3256



21.1656, 0.1940, 0.2382

Sweetspot

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



21.1667, 0.4276, 0.3170



72.2536, 0.3362, 0.3255



22.4760, 0.3061, 0.2113



15.2354, 0.3405, 0.3249



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.1667, 0.4276, 0.3170



31.5878, 0.4699, 0.3152



29.0549, 0.4164, 0.3766



9.5515, 0.3273, 0.3267



7.3161, 0.6268, 0.3227



0.2918, 0.5839, 0.2990

Inverse Universe

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



21.1667, 0.4276, 0.3170



31.5878, 0.4699, 0.3152



30.0351, 0.2407, 0.2743



9.5515, 0.3273, 0.3267



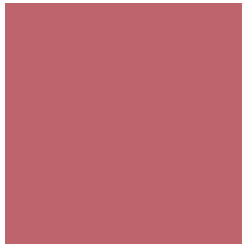
7.3161, 0.6268, 0.3227



0.2918, 0.5839, 0.2990

Previews

White Background



This preview shows how the Yxy color 21.1656, 0.4276, 0.3170 looks on a white background.

Color Contrast Check

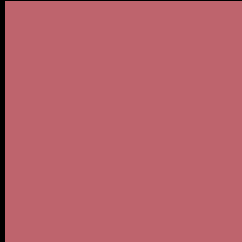
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1656, 0.4276, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

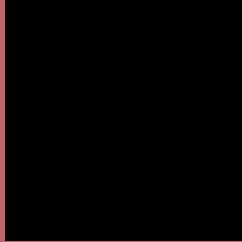
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1656, 0.4276, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 21.1656, 0.4276, 0.3170.



This preview shows how white text looks on a background with the Yxy color 21.1656, 0.4276, 0.3170.

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

21.1656, 0.4276, 0.3170

Protanopia

21.4341, 0.3219, 0.3362

Deuteranopia

21.1420, 0.3652, 0.3584



Tritanopia

21.1230, 0.4306, 0.3198

Trichromacy



Original Color

21.1656, 0.4276, 0.3170

Protanomaly

20.7060, 0.3571, 0.3275

Deuteranomaly

20.8618, 0.3889, 0.3420

Tritanomaly

21.1442, 0.4291, 0.3184

Monochromacy



Original Color

21.1656, 0.4276, 0.3170

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9167, 0.3516, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1656, 0.4276, 0.3170 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(190, 100, 109)` looks like.

```
.text, #text, p{  
    color:rgb(190, 100, 109)  
}
```

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(190, 100, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 100, 109) }
```

Border

The CSS property to change the border of an element to Yxy 21.1656, 0.4276, 0.3170 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(190, 100, 109) }
```

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

```
.border{ border-color:rgb(190, 100, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 100, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 100, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 100, 109);  
box-shadow:4px 4px 4px 4px rgb(190, 100,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1656, 0.4276, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 100, 109) }
```

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

```
.background{ background-color: rgb(190,  
100, 109) }
```

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