

Converting Colors

$Y_{xy}(46.7930, 0.3159, 0.3171)$

Have a look what the booklet for
Yxy(46.7930, 0.3159, 0.3171)
contains.

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Color

Yxy(46.9474, 0.3158, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	BFB3BC
RGB	191, 179, 188
RGB Percent	75%, 70%, 74%
CMY	0.2511, 0.2980, 0.2627
CMYK	0.00, 0.06, 0.02, 0.25
HSL	315°, 9%, 73%
HSV	315°, 6%, 75%
XYZ	46.6813, 46.9474, 54.1905
YIQ	183.6140, 4.2630, 5.3430

Conversions

Conversions Part 2

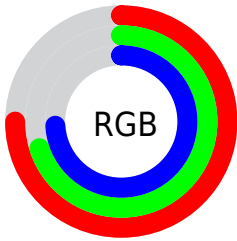
Format	Color
R_{YB}	191, 179, 188
Decimal	12563388
CIE Lab	74.16, 5.89, -3.05
CIE LCh	74, 6.633, 332.584
Yxy	46.9474, 0.3158, 0.3176
Android (android.graphics.Color)	4290753468 (0xFFBFB3BC)
YUV	183.6140, 2.1623, 6.4775
Hunter-Lab	68.5182, 1.7050, 1.0707

Details

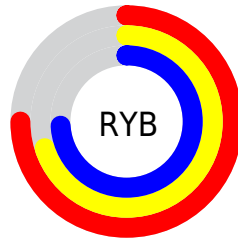
The Yxy color **46.9474, 0.3158, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.2145, 0.3098, 0.3407**, and the grayscale version is **47.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7225, 0.3151, 0.3201**, and **22.0743, 0.3170, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **39.6161, 0.3214, 0.2988**, and if you desaturate by 10%, it is **55.3497, 0.3110, 0.3356**.

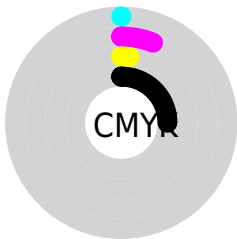
Distribution



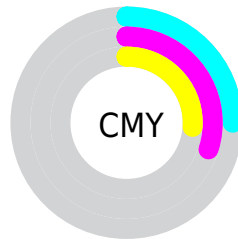
- Red (75%)
- Green (70%)
- Blue (74%)



- Red (75%)
- Yellow (70%)
- Blue (74%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (25%)




- Cyan (25%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9474, 0.3158, 0.3176 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 46.9474, 0.3158, 0.3176 by changing the saturation by 10% instead.


 46.9474, 0.3158,
0.3176

 46.9474, 0.3158,
0.3176


374.6045, 0.3143,
0.3233

 32.9941, 0.3162,
0.3162

 85.6351, 0.3153,
0.3196

 22.1219, 0.3166,
0.3144


111.1383, 0.3150,
0.3204

 13.9465, 0.3173,
0.3121


141.2602, 0.3149,
0.3211

 8.0835, 0.3181,
0.3088

176.3852, 0.3147,
0.3216

 4.1484, 0.3194,
0.3039

216.8978, 0.3146,
0.3221

 1.7569, 0.3214,
0.2961

263.1822, 0.3145,

 0.4601, 0.3310,

0.3225

0.2621

315.6230, 0.3144,
0.3229

0.0000, 0.0000,
0.0000

46.9474, 0.3158,
0.3176

46.9474, 0.3158,
0.3176

39.6161, 0.3214,
0.2988

55.3497, 0.3110,
0.3356

33.3062, 0.3279,
0.2795

64.8579, 0.3070,
0.3525

27.9736, 0.3352,
0.2603

75.5125, 0.3036,
0.3683

23.5682, 0.3435,
0.2419

87.0943, 0.3007,
0.3824

20.0357, 0.3526,
0.2253

87.3285, 0.2982,
0.3770

■ 17.3160, 0.3622,
0.2115

■ 87.5696, 0.2957,
0.3716

■ 15.3414, 0.3722,
0.2014

■ 87.8178, 0.2931,
0.3662

■ 14.0332, 0.3822,
0.1959

■ 88.0731, 0.2907,
0.3609

■ 13.2898, 0.3919,
0.1950

■ 88.3354, 0.2882,
0.3556

Harmonies

Analogous

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



46.9474, 0.3065, 0.3137



46.9474, 0.3158, 0.3176



46.9474, 0.3244, 0.3244

Triad

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



46.9474, 0.3158, 0.3176



46.9474, 0.3266, 0.3444



46.9474, 0.2959, 0.3251

Complementary

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



46.9474, 0.3158, 0.3176



50.2145, 0.3098, 0.3407

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.



46.9474, 0.3011, 0.3336



46.9474, 0.3158, 0.3176



46.9474, 0.3188, 0.3448

Square

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



46.9474, 0.3158, 0.3176



46.9474, 0.3307, 0.3398



46.9474, 0.3095, 0.3409



46.9474, 0.2951, 0.3179

Rectangle

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



46.9474, 0.3158, 0.3176



46.9474, 0.3285, 0.3298



46.9474, 0.3095, 0.3409



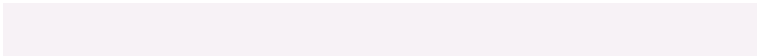
46.9474, 0.2972, 0.3279

Sweetspot

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



46.9494, 0.3158, 0.3176



90.2439, 0.3137, 0.3253



45.9254, 0.3056, 0.3135



19.8500, 0.3136, 0.3255



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.



46.9494, 0.3158, 0.3176



81.5224, 0.3168, 0.3142



46.7033, 0.3205, 0.3250



9.6549, 0.3174, 0.3119



8.6118, 0.3942, 0.1945



0.3471, 0.3732, 0.1829

Inverse Universe

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



46.9494, 0.3158, 0.3176



81.5224, 0.3168, 0.3142



50.4602, 0.3055, 0.3331



9.6549, 0.3174, 0.3119



8.6118, 0.3942, 0.1945



0.3471, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 46.9474, 0.3158, 0.3176 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 46.9474, 0.3158, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

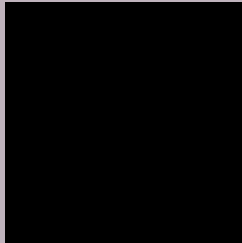
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9474, 0.3158, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 46.9474, 0.3158, 0.3176.



This preview shows how white text looks on a background with the Yxy color 46.9474, 0.3158, 0.3176.

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

46.9474, 0.3158, 0.3176

Protanopia

46.9122, 0.3090, 0.3187

Deuteranopia

46.9454, 0.3212, 0.3153



Tritanopia

46.8530, 0.3135, 0.3114

Trichromacy



Original Color

46.9474, 0.3158, 0.3176

Protanomaly

46.8814, 0.3115, 0.3175

Deuteranomaly

47.0737, 0.3194, 0.3165

Tritanomaly

46.8088, 0.3143, 0.3127

Monochromacy



Original Color

46.9474, 0.3158, 0.3176

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5235, 0.3146, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9474, 0.3158, 0.3176 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(191, 179, 188)` looks like.

```
.text, #text, p{  
    color:rgb(191, 179, 188)  
}
```

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(191, 179, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 179, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.9474, 0.3158, 0.3176 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(191, 179, 188) }
```

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

```
.border{ border-color:rgb(191, 179, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 179, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 179, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 179, 188);  
box-shadow:4px 4px 4px 4px rgb(191, 179,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9474, 0.3158, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 179, 188) }
```

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

```
.background{ background-color: rgb(191,  
179, 188) }
```

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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