

Converting Colors

$Y_{xy}(46.8945, 0.3115, 0.3156)$

Have a look what the booklet for
Yxy(46.8945, 0.3115, 0.3156)
contains.

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Color

Yxy(47.0516, 0.3116, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	BCB4BE
RGB	188, 180, 190
RGB Percent	74%, 71%, 75%
CMY	0.2628, 0.2941, 0.2549
CMYK	0.01, 0.05, 0.00, 0.25
HSL	288°, 7%, 73%
HSV	288°, 5%, 75%
XYZ	46.3524, 47.0516, 55.3522
YIQ	183.5320, 1.5580, 4.8060

Conversions

Conversions Part 2

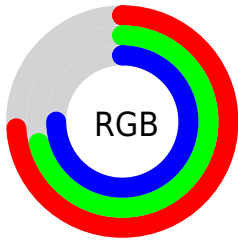
Format	Color
R_{YB}	188, 180, 190
Decimal	12367038
CIE _{Lab}	74.22, 4.67, -4.06
CIE _{LCh}	74, 6.192, 318.984
Yxy	47.0516, 0.3116, 0.3163
Android (android.graphics.Color)	4290557118 (0xFFBCB4BE)
YUV	183.5320, 3.1887, 3.9184
Hunter-Lab	68.5942, 0.5814, 0.1717

Details

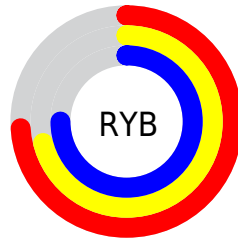
The Yxy color $47.0516, 0.3116, 0.3163$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $50.0686, 0.3138, 0.3419$, and the grayscale version is $47.6432, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.8778, 0.3119, 0.3191$, and $22.1358, 0.3112, 0.3117$ is the 20% darker color. If you saturate the color by 10%, you get $39.4221, 0.3091, 0.2912$, and if you desaturate by 10%, it is $55.7495, 0.3136, 0.3401$.

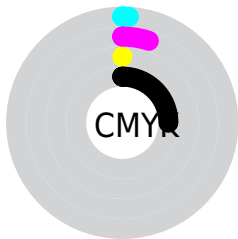
Distribution



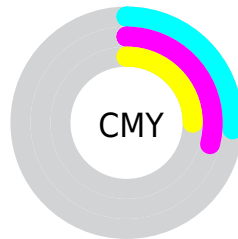
- Red (74%)
- Green (71%)
- Blue (75%)



- Red (74%)
- Yellow (71%)
- Blue (75%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (26%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0516, 0.3116, 0.3163 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 47.0516, 0.3116, 0.3163 by changing the saturation by 10% instead.


 47.0516, 0.3116,
0.3163

 47.0516, 0.3116,
0.3163


375.0205, 0.3122,
0.3226

 33.0764, 0.3114,
0.3147


 85.7906, 0.3118,
0.3186

 22.1850, 0.3112,
0.3128


111.3233, 0.3119,
0.3194

 13.9929, 0.3110,
0.3101


141.4773, 0.3120,
0.3202

 8.1157, 0.3106,
0.3065

176.6370, 0.3120,
0.3208

 4.1691, 0.3100,
0.3011

217.1867, 0.3121,
0.3213

 1.7686, 0.3089,
0.2924

263.5110, 0.3121,

 0.4675, 0.3070,

0.3218

0.2570

315.9941, 0.3122,
0.3222

0.0000, 0.0000,
0.0000

47.0516, 0.3116,
0.3163

47.0516, 0.3116,
0.3163

39.4221, 0.3091,
0.2912

55.7495, 0.3136,
0.3401

32.8124, 0.3061,
0.2652

65.5499, 0.3152,
0.3623

27.1790, 0.3025,
0.2390

76.4929, 0.3164,
0.3827

22.4729, 0.2984,
0.2134

87.9704, 0.3174,
0.4003

18.6409, 0.2938,
0.1896

88.5138, 0.3198,
0.3998

■ 15.6242, 0.2888,
0.1685

■ 89.0705, 0.3223,
0.3993

■ 13.3570, 0.2836,
0.1511

■ 89.6405, 0.3247,
0.3988

■ 11.7628, 0.2782,
0.1381

■ 90.2241, 0.3272,
0.3982

■ 10.7481, 0.2729,
0.1295

■ 90.8212, 0.3296,
0.3977

Harmonies

Analogous

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



47.0516, 0.3034, 0.3143



47.0516, 0.3116, 0.3163



47.0516, 0.3202, 0.3216

Triad

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



47.0516, 0.3116, 0.3163



47.0516, 0.3279, 0.3418



47.0516, 0.2988, 0.3290

Complementary

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



47.0516, 0.3116, 0.3163



50.0686, 0.3138, 0.3419

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.



47.0516, 0.3052, 0.3366



47.0516, 0.3116, 0.3163



47.0516, 0.3220, 0.3441

Square

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



47.0516, 0.3116, 0.3163



47.0516, 0.3297, 0.3362



47.0516, 0.3137, 0.3422



47.0516, 0.2961, 0.3215

Rectangle

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



47.0516, 0.3116, 0.3163



47.0516, 0.3250, 0.3263



47.0516, 0.3137, 0.3422



47.0516, 0.3005, 0.3316

Sweetspot

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



47.0536, 0.3116, 0.3163



90.1388, 0.3123, 0.3241



46.9485, 0.3048, 0.3189



19.8280, 0.3123, 0.3244



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.



47.0536, 0.3116, 0.3163



84.0364, 0.3114, 0.3142



47.1877, 0.3156, 0.3199



10.0806, 0.3113, 0.3131



6.9336, 0.2711, 0.1267



0.2966, 0.2837, 0.1337

Inverse Universe

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



46.9707, 0.3197, 0.3265



83.8646, 0.3209, 0.3260



49.9425, 0.3100, 0.3383



10.0584, 0.3216, 0.3258



7.3822, 0.6047, 0.3105



0.2986, 0.5390, 0.2743

Previews

White Background



This preview shows how the Yxy color 47.0516, 0.3116, 0.3163 looks on a white background.

Color Contrast Check

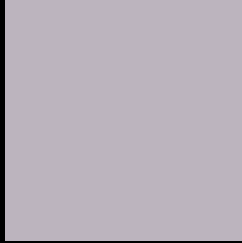
Large Text (above 18pt) WCAG AA × Fail

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 47.0516, 0.3116, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

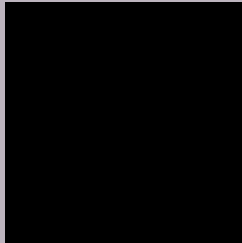
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

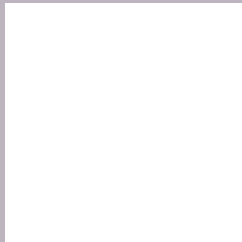
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0516, 0.3116, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 47.0516, 0.3116, 0.3163.



This preview shows how white text looks on a background with the Yxy color 47.0516, 0.3116, 0.3163.

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

47.0516, 0.3116, 0.3163

Protanopia

46.8766, 0.3066, 0.3161

Deuteranopia

46.9416, 0.3179, 0.3116



Tritanopia

46.9541, 0.3093, 0.3101

Trichromacy



Original Color

47.0516, 0.3116, 0.3163

Protanomaly

47.1236, 0.3082, 0.3162

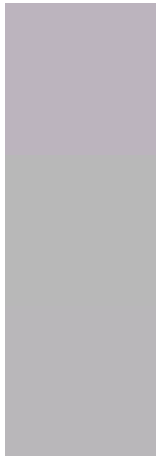
Deuteranomaly

46.9398, 0.3152, 0.3127

Tritanomaly

46.9093, 0.3101, 0.3113

Monochromacy



Original Color

47.0516, 0.3116, 0.3163

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7264, 0.3121, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0516, 0.3116, 0.3163 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, 180, 190)` looks like.

```
.text, #text, p{  
    color:rgb(188, 180, 190)  
}
```

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, 180, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 180, 190) }
```

Border

The CSS property to change the border of an element to Yxy 47.0516, 0.3116, 0.3163 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, 180, 190) }
```

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

```
.border{ border-color:rgb(188, 180, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 180, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 180, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 180, 190);  
box-shadow:4px 4px 4px 4px rgb(188, 180,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0516, 0.3116, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 180, 190) }
```

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

```
.background{ background-color: rgb(188,  
180, 190) }
```

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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