

Converting Colors

$Y_{xy}(48.2781, 0.3120, 0.3189)$

Have a look what the booklet for
Yxy(48.2781, 0.3120, 0.3189)
contains.

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Color

Yxy(48.4474, 0.3115, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	BDB7BF
RGB	189, 183, 191
RGB Percent	74%, 72%, 75%
CMY	0.2588, 0.2823, 0.2510
CMYK	0.01, 0.04, 0.00, 0.25
HSL	285°, 6%, 73%
HSV	285°, 4%, 75%
XYZ	47.3232, 48.4474, 56.1498
YIQ	185.7060, 1.0080, 3.7600

Conversions

Conversions Part 2

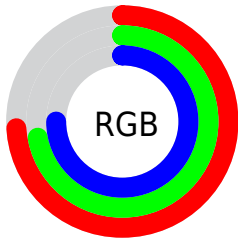
Format	Color
R_{YB}	189, 183, 191
Decimal	12433343
CIE Lab	75.11, 3.59, -3.30
CIE LCh	75, 4.881, 317.399
Yxy	48.4474, 0.3115, 0.3189
Android (android.graphics.Color)	4290623423 (0xFFBDB7BF)
YUV	185.7060, 2.6099, 2.8888
Hunter-Lab	69.6042, -0.4469, 0.8936

Details

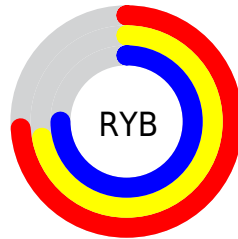
The Yxy color **48.4474, 0.3115, 0.3189** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9993, 0.3139, 0.3392**, and the grayscale version is **48.9154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8609, 0.3118, 0.3211**, and **23.0345, 0.3111, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **40.4937, 0.3082, 0.2938**, and if you desaturate by 10%, it is **57.4948, 0.3142, 0.3425**.

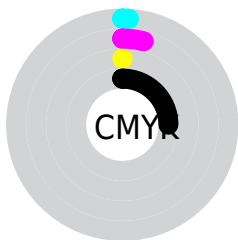
Distribution



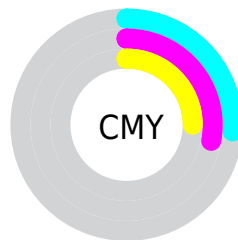
- Red (74%)
- Green (72%)
- Blue (75%)



- Red (74%)
- Yellow (72%)
- Blue (75%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (26%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4474, 0.3115, 0.3189 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 48.4474, 0.3115, 0.3189 by changing the saturation by 10% instead.

 48.4474, 0.3115,
0.3189

 48.4474, 0.3115,
0.3189

380.5628, 0.3121,
0.3239

 34.1813, 0.3113,
0.3177


 87.8702, 0.3117,
0.3207

 23.0329, 0.3111,
0.3161


113.7956, 0.3118,
0.3214

 14.6178, 0.3109,
0.3140


144.3764, 0.3119,
0.3220

 8.5516, 0.3105,
0.3112

179.9968, 0.3119,
0.3225

 4.4499, 0.3099,
0.3070

221.0412, 0.3120,
0.3229

 1.9283, 0.3088,
0.3002

267.8941, 0.3120,

 0.5653, 0.3069,

0.3233

0.2775

320.9398, 0.3121,
0.3236

0.0000, 0.0000,
0.0000

48.4474, 0.3115,
0.3189

48.4474, 0.3115,
0.3189

40.4937, 0.3082,
0.2938

57.4948, 0.3142,
0.3425

33.5846, 0.3042,
0.2675

67.6702, 0.3164,
0.3644

27.6762, 0.2995,
0.2408

79.0142, 0.3182,
0.3845

22.7193, 0.2942,
0.2145

88.7186, 0.3200,
0.3985

18.6604, 0.2882,
0.1896

89.4253, 0.3230,
0.3979

■ 15.4405, 0.2818,
0.1671

■ 90.1533, 0.3261,
0.3972

■ 12.9936, 0.2751,
0.1483

■ 90.9027, 0.3292,
0.3966

■ 11.2435, 0.2684,
0.1337

■ 91.6736, 0.3324,
0.3959

■ 10.0981, 0.2617,
0.1238

■ 92.4663, 0.3355,
0.3952

Harmonies

Analogous

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



48.4474, 0.3051, 0.3175



48.4474, 0.3115, 0.3189



48.4474, 0.3182, 0.3229

Triad

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



48.4474, 0.3115, 0.3189



48.4474, 0.3247, 0.3389



48.4474, 0.3020, 0.3293

Complementary

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



48.4474, 0.3115, 0.3189



50.9993, 0.3139, 0.3392

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.



48.4474, 0.3072, 0.3352



48.4474, 0.3115, 0.3189



48.4474, 0.3203, 0.3407

Square

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



48.4474, 0.3115, 0.3189



48.4474, 0.3259, 0.3344



48.4474, 0.3138, 0.3394



48.4474, 0.2997, 0.3234

Rectangle

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



48.4474, 0.3115, 0.3189



48.4474, 0.3220, 0.3266



48.4474, 0.3138, 0.3394



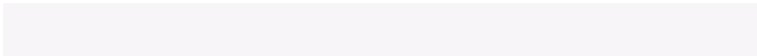
48.4474, 0.3035, 0.3314

Sweetspot

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



48.4495, 0.3115, 0.3189



91.6920, 0.3124, 0.3266



48.5859, 0.3064, 0.3215



20.1524, 0.3124, 0.3267



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.



48.4495, 0.3115, 0.3189



85.4204, 0.3112, 0.3167



48.6265, 0.3147, 0.3213



10.2310, 0.3111, 0.3154



6.3511, 0.2588, 0.1199



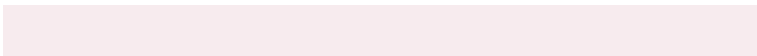
0.2780, 0.2744, 0.1285

Inverse Universe

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



48.4498, 0.3179, 0.3265



85.4228, 0.3191, 0.3259



50.8294, 0.3108, 0.3368



10.2314, 0.3198, 0.3256



7.4305, 0.5898, 0.3023



0.3020, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 48.4474, 0.3115, 0.3189 looks on a white background.

Color Contrast Check

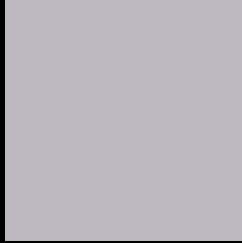
Large Text (above 18pt) WCAG AA × Fail

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 48.4474, 0.3115, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

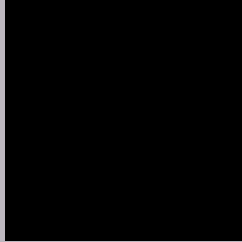
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

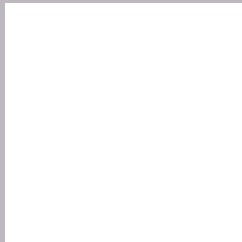
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4474, 0.3115, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 48.4474, 0.3115, 0.3189.

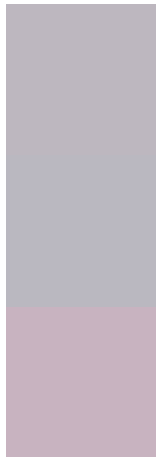


This preview shows how white text looks on a background with the Yxy color 48.4474, 0.3115, 0.3189.

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

48.4474, 0.3115, 0.3189

Protanopia

48.5259, 0.3082, 0.3188

Deuteranopia

48.3253, 0.3204, 0.3130



Tritanopia

48.3886, 0.3085, 0.3115

Trichromacy



Original Color

48.4474, 0.3115, 0.3189

Protanomaly

48.6515, 0.3090, 0.3189

Deuteranomaly

48.1840, 0.3168, 0.3141

Tritanomaly

48.2981, 0.3101, 0.3139

Monochromacy



Original Color

48.4474, 0.3115, 0.3189

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8936, 0.3121, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4474, 0.3115, 0.3189 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(189, 183, 191)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 191)  
}
```

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(189, 183, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.4474, 0.3115, 0.3189 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(189, 183, 191) }
```

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

```
.border{ border-color:rgb(189, 183, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 191);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4474, 0.3115, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 191) }
```

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

```
.background{ background-color: rgb(189,  
183, 191) }
```

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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