

Converting Colors

$Y_{xy}(45.3885, 0.3263, 0.3310)$

Have a look what the booklet for
Yxy(45.3885, 0.3263, 0.3310)
contains.

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Color

Yxy(45.6158, 0.3267, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	BFB1AF
RGB	191, 177, 175
RGB Percent	75%, 69%, 69%
CMY	0.2511, 0.3058, 0.3136
CMYK	0.00, 0.07, 0.08, 0.25
HSL	7°, 11%, 72%
HSV	7°, 8%, 75%
XYZ	44.9417, 45.6158, 47.0052
YIQ	180.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

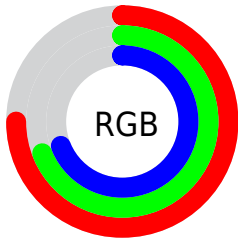
Format	Color
R _Y B	191, 177, 175
Decimal	12562863
CIE Lab	73.30, 4.64, 2.80
CIE LCh	73, 5.416, 31.153
Yxy	45.6158, 0.3267, 0.3316
Android (android.graphics.Color)	4290752943 (0xFFBFB1AF)
YUV	180.9580, -2.9373, 8.8068
Hunter-Lab	67.5395, 0.5824, 6.0138

Details

The Yxy color $45.6158, 0.3267, 0.3316$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $49.2638, 0.3000, 0.3264$, and the grayscale version is $46.1969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.7652, 0.3242, 0.3321$, and $21.2486, 0.3310, 0.3308$ is the 20% darker color. If you saturate the color by 10%, you get $38.7152, 0.3469, 0.3349$, and if you desaturate by 10%, it is $53.4354, 0.3102, 0.3285$.

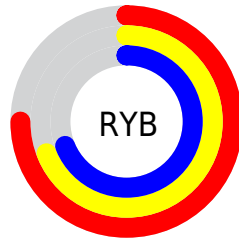
Distribution



Red (75%)

Green (69%)

Blue (69%)



Red (75%)

Yellow (69%)

Blue (69%)

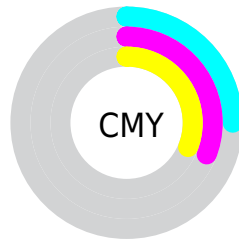


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (25%)



Cyan (25%)


Magenta (31%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6158, 0.3267, 0.3316 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 45.6158, 0.3267, 0.3316 by changing the saturation by 10% instead.


 45.6158, 0.3267,
0.3316

 45.6158, 0.3267,
0.3316


369.2619, 0.3197,
0.3303

 31.9427, 0.3285,
0.3319


 83.6437, 0.3241,
0.3311

 21.3178, 0.3308,
0.3323


108.7674, 0.3232,
0.3310

 13.3565, 0.3338,
0.3328


138.4767, 0.3224,
0.3308

 7.6745, 0.3382,
0.3335

173.1560, 0.3217,
0.3307

 3.8874, 0.3447,
0.3345

213.1898, 0.3211,
0.3306

 1.6108, 0.3558,
0.3360

258.9625, 0.3205,

 0.3648, 0.4482,

0.3305

0.3556

310.8584, 0.3201,
0.3304

0.0000, 0.0000,
0.0000

45.6158, 0.3267,
0.3316

45.6158, 0.3267,
0.3316

38.7152, 0.3469,
0.3349

53.4354, 0.3102,
0.3285

32.6940, 0.3715,
0.3384

62.1997, 0.2967,
0.3257

27.5186, 0.4014,
0.3419

71.9411, 0.2856,
0.3231

23.1511, 0.4368,
0.3451

82.6884, 0.2765,
0.3208

19.5505, 0.4774,
0.3474

89.8124, 0.2757,
0.3289

■ 16.6723, 0.5212,
0.3484

■ 14.4674, 0.5642,
0.3473

■ 12.8804, 0.6008,
0.3439

■ 11.8439, 0.6261,
0.3389

Harmonies

Analogous

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



45.6158, 0.3220, 0.3249



45.6158, 0.3267, 0.3316



45.6158, 0.3276, 0.3377

Triad

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



45.6158, 0.3267, 0.3316



45.6158, 0.3104, 0.3390



45.6158, 0.3011, 0.3165

Complementary

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



45.6158, 0.3267, 0.3316



49.2638, 0.3000, 0.3264

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.



45.6158, 0.2981, 0.3201



45.6158, 0.3267, 0.3316



45.6158, 0.3034, 0.3331

Square

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



45.6158, 0.3267, 0.3316



45.6158, 0.3181, 0.3421



45.6158, 0.2989, 0.3262



45.6158, 0.3072, 0.3163

Rectangle

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



45.6158, 0.3267, 0.3316



45.6158, 0.3259, 0.3406



45.6158, 0.2989, 0.3262



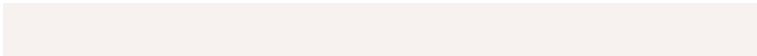
45.6158, 0.2997, 0.3174

Sweetspot

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



45.6178, 0.3267, 0.3316



88.9497, 0.3175, 0.3299



45.4205, 0.3152, 0.3111



19.2829, 0.3189, 0.3302



97.7402, 0.3127, 0.3290



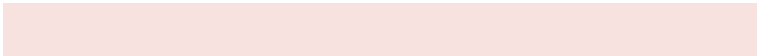
20.4902, 0.3127, 0.3290

Same Dimension

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



45.6178, 0.3267, 0.3316



79.3746, 0.3301, 0.3322



48.8066, 0.3257, 0.3416



9.7230, 0.3285, 0.3319



7.7697, 0.6279, 0.3396



0.3680, 0.5932, 0.3672

Inverse Universe

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



49.2638, 0.3000, 0.3264



87.2248, 0.2973, 0.3258



45.9802, 0.3000, 0.3161



10.6009, 0.2985, 0.3261



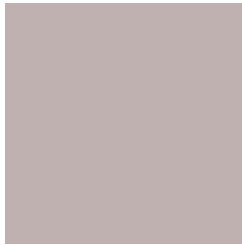
20.7585, 0.2138, 0.2896



0.8708, 0.2166, 0.2999

Previews

White Background



This preview shows how the Yxy color 45.6158, 0.3267, 0.3316 looks on a white background.

Color Contrast Check

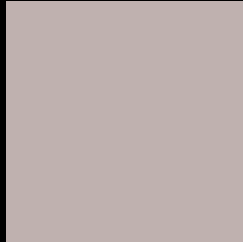
Large Text (above 18pt) WCAG AA × Fail

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 45.6158, 0.3267, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

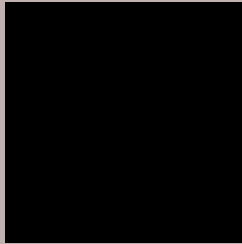
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

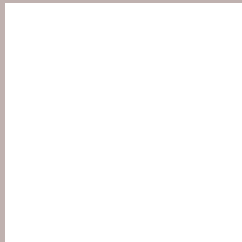
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6158, 0.3267, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 45.6158, 0.3267, 0.3316.



This preview shows how white text looks on a background with the Yxy color 45.6158, 0.3267, 0.3316.

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

45.6158, 0.3267, 0.3316

Protanopia

45.5651, 0.3195, 0.3329

Deuteranopia

45.5488, 0.3335, 0.3265



Tritanopia

45.6715, 0.3171, 0.3114

Trichromacy



Original Color

45.6158, 0.3267, 0.3316

Protanomaly

45.5402, 0.3222, 0.3316

Deuteranomaly

45.5303, 0.3307, 0.3278

Tritanomaly

45.7178, 0.3202, 0.3188

Monochromacy



Original Color

45.6158, 0.3267, 0.3316

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2115, 0.3178, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6158, 0.3267, 0.3316 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, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(191, 177, 175)  
}
```

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, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 177, 175) }
```

Border

The CSS property to change the border of an element to Yxy 45.6158, 0.3267, 0.3316 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, 177, 175) }
```

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

```
.border{ border-color:rgb(191, 177, 175) }
```

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

Here you see how a box with a 4 pixel rgb(191, 177, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(191, 177,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6158, 0.3267, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 177, 175) }
```

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

```
.background{ background-color: rgb(191,  
177, 175) }
```

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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