

Converting Colors

$Y_{xy}(45.6020, 0.3155, 0.3660)$

Have a look what the booklet for
Yxy(45.6020, 0.3155, 0.3660)
contains.

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Color

Yxy(45.6203, 0.3160, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	A5BA9F
RGB	165, 186, 159
RGB Percent	65%, 73%, 62%
CMY	0.3529, 0.2706, 0.3766
CMYK	0.11, 0.00, 0.15, 0.27
HSL	107°, 16%, 68%
HSV	107°, 15%, 73%
XYZ	39.3343, 45.6203, 39.5210
YIQ	176.6430, -3.8490, -12.8490

Conversions

Conversions Part 2

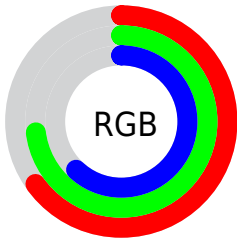
Format	Color
RYB	159, 186, 180
Decimal	10861215
CIELab	73.30, -12.30, 11.30
CIELCh	73, 16.703, 137.440
Yxy	45.6203, 0.3160, 0.3665
Android (android.graphics.Color)	4289051295 (0xFFA5BA9F)
YUV	176.6430, -8.6980, -10.2109
Hunter-Lab	67.5428, -14.2485, 12.5879

Details

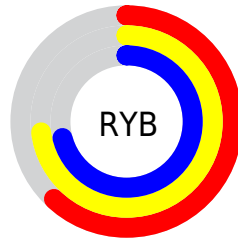
The Yxy color **45.6203, 0.3160, 0.3665** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0314, 0.3087, 0.2930**, and the grayscale version is **43.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5749, 0.3152, 0.3589**, and **21.3685, 0.3161, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **43.5619, 0.3180, 0.3957**, and if you desaturate by 10%, it is **47.9547, 0.3138, 0.3400**.

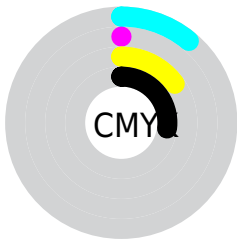
Distribution



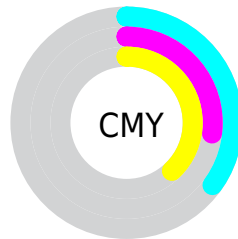
- Red (65%)
- Green (73%)
- Blue (62%)



- Red (62%)
- Yellow (73%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)





- Cyan (35%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6203, 0.3160, 0.3665 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 45.6203, 0.3160, 0.3665 by changing the saturation by 10% instead.


 45.6203, 0.3160,
0.3665

 45.6203, 0.3160,
0.3665


369.2800, 0.3146,
0.3473

 31.9463, 0.3163,
0.3715


 83.6505, 0.3155,
0.3594

 21.3205, 0.3166,
0.3779


 108.7754, 0.3153,
0.3568

 13.3585, 0.3170,
0.3867


138.4861, 0.3152,
0.3546

 7.6758, 0.3173,
0.3993

173.1670, 0.3150,
0.3527

 3.8882, 0.3174,
0.4188

213.2024, 0.3149,
0.3510

 1.6112, 0.3172,
0.4538

258.9768, 0.3148,

 0.3652, 0.1135,

0.3496

0.8865

310.8745, 0.3147,
0.3484

0.0000, 0.0000,
0.0000

45.6203, 0.3160,
0.3665

45.6203, 0.3160,
0.3665

43.5619, 0.3180,
0.3957

47.9547, 0.3138,
0.3400

41.7636, 0.3195,
0.4272

50.5687, 0.3114,
0.3164

40.2164, 0.3204,
0.4603

53.4736, 0.3091,
0.2956

38.9090, 0.3205,
0.4933

56.6778, 0.3067,
0.2773

37.8288, 0.3195,
0.5247

60.1899, 0.3045,
0.2613

■ 36.9621, 0.3174,
0.5520

■ 62.9734, 0.3133,
0.2609

■ 36.2937, 0.3142,
0.5735

■ 63.5990, 0.3159,
0.2614

■ 35.8060, 0.3103,
0.5878

■ 35.6022, 0.3083,
0.5934

Harmonies

Analogous

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



45.6203, 0.3387, 0.3706



45.6203, 0.3160, 0.3665



45.6203, 0.2931, 0.3511

Triad

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



45.6203, 0.3160, 0.3665



45.6203, 0.2720, 0.2944



45.6203, 0.3509, 0.3268

Complementary

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



45.6203, 0.3160, 0.3665



38.0314, 0.3087, 0.2930

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.



45.6203, 0.3318, 0.3082



45.6203, 0.3160, 0.3665



45.6203, 0.2863, 0.2898

Square

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



45.6203, 0.3160, 0.3665



45.6203, 0.2682, 0.3086



45.6203, 0.3080, 0.2949



45.6203, 0.3594, 0.3467

Rectangle

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



45.6203, 0.3160, 0.3665



45.6203, 0.2806, 0.3369



45.6203, 0.3080, 0.2949



45.6203, 0.3454, 0.3203

Sweetspot

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



45.6223, 0.3160, 0.3665



87.1268, 0.3137, 0.3389



45.4617, 0.3353, 0.3565



19.1119, 0.3138, 0.3408



95.5105, 0.3127, 0.3290



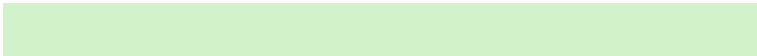
19.5994, 0.3127, 0.3290

Same Dimension

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



45.6223, 0.3160, 0.3665



81.6150, 0.3166, 0.3743



45.2471, 0.3055, 0.3567



10.1543, 0.3149, 0.3524



23.9794, 0.3090, 0.5929



0.8733, 0.3276, 0.5781

Inverse Universe

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



38.0314, 0.3087, 0.2930



65.5619, 0.3079, 0.2859



38.4733, 0.3208, 0.3028



9.0588, 0.3103, 0.3062



6.4344, 0.2656, 0.1237



0.2522, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 45.6203, 0.3160, 0.3665 looks on a white background.

Color Contrast Check

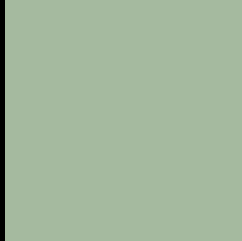
Large Text (above 18pt) WCAG AA × Fail

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 45.6203, 0.3160, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

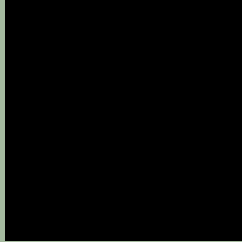
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

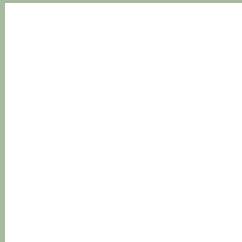
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6203, 0.3160, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 45.6203, 0.3160, 0.3665.



This preview shows how white text looks on a background with the Yxy color 45.6203, 0.3160, 0.3665.

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

45.6203, 0.3160, 0.3665

Protanopia

45.3319, 0.3398, 0.3594

Deuteranopia

45.3331, 0.3508, 0.3429



Tritanopia

45.6458, 0.2937, 0.3106

Trichromacy



Original Color

45.6203, 0.3160, 0.3665

Protanomaly

45.5935, 0.3311, 0.3626

Deuteranomaly

45.3611, 0.3376, 0.3513

Tritanomaly

45.6794, 0.3018, 0.3303

Monochromacy



Original Color

45.6203, 0.3160, 0.3665

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4290, 0.3147, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6203, 0.3160, 0.3665 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(165, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 159)  
}
```

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(165, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 159) }
```

Border

The CSS property to change the border of an element to Yxy 45.6203, 0.3160, 0.3665 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(165, 186, 159) }
```

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

```
.border{ border-color:rgb(165, 186, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6203, 0.3160, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 159) }
```

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

```
.background{ background-color: rgb(165,  
186, 159) }
```

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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