

Converting Colors

$Y_{xy}(45.8176, 0.3615, 0.3920)$

Have a look what the booklet for
Yxy(45.8176, 0.3615, 0.3920)
contains.

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Color

Yxy(45.8176, 0.3615, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	BFB585
RGB	191, 181, 133
RGB Percent	75%, 71%, 52%
CMY	0.2508, 0.2902, 0.4784
CMYK	0.00, 0.05, 0.30, 0.25
HSL	50°, 31%, 64%
HSV	50°, 30%, 75%
XYZ	42.2527, 45.8176, 28.8113
YIQ	178.5180, 21.3680, -12.8080

Conversions

Conversions Part 2

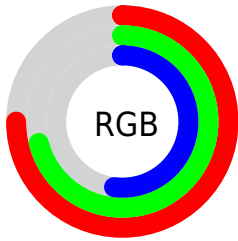
Format	Color
RYB	145, 191, 133
Decimal	12563845
CIELab	73.43, -3.86, 25.78
CIELCh	73, 26.072, 98.516
Yxy	45.8176, 0.3615, 0.3920
Android (android.graphics.Color)	4290753925 (0xFFBFB585)
YUV	178.5180, -22.4404, 10.9467
Hunter-Lab	67.6887, -7.0318, 22.1456

Details

The Yxy color $45.8176, 0.3615, 0.3920$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $28.4175, 0.2614, 0.2569$, and the grayscale version is $44.9270, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0700, 0.3531, 0.3813$, and $21.3812, 0.3750, 0.4092$ is the 20% darker color. If you saturate the color by 10%, you get $44.0083, 0.3787, 0.4126$, and if you desaturate by 10%, it is $47.7592, 0.3446, 0.3709$.

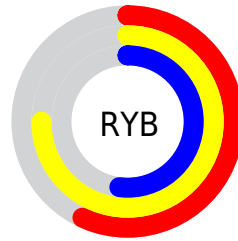
Distribution



Red (75%)

Green (71%)

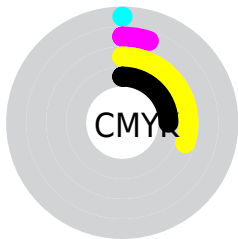
Blue (52%)



Red (57%)

Yellow (75%)

Blue (52%)

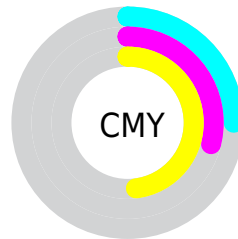


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (25%)



Cyan (25%)


Magenta (29%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8176, 0.3615, 0.3920 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 45.8176, 0.3615, 0.3920 by changing the saturation by 10% instead.


 45.8176, 0.3615,
0.3920

 45.8176, 0.3615,
0.3920


370.0749, 0.3374,
0.3604


 32.1019, 0.3673,
0.3998


 83.9460, 0.3529,
0.3805

 21.4394, 0.3746,
0.4098


 109.1274, 0.3496,
0.3762

 13.4455, 0.3841,
0.4229


 138.8996, 0.3468,
0.3726

 7.7361, 0.3965,
0.4407

173.6468, 0.3444,
0.3694

 3.9265, 0.4131,
0.4657

213.7536, 0.3423,
0.3667

 1.6325, 0.4642,
0.5358

259.6043, 0.3405,

 0.3794, 0.4125,

0.3643

0.5875

311.5832, 0.3389,
0.3622

0.0000, 0.0000,
0.0000

45.8176, 0.3615,
0.3920

45.8176, 0.3615,
0.3920

44.0083, 0.3787,
0.4126

47.7592, 0.3446,
0.3709

42.3194, 0.3956,
0.4319

49.8317, 0.3285,
0.3500

40.7473, 0.4116,
0.4488

52.0420, 0.3133,
0.3297

39.2853, 0.4259,
0.4624

54.3946, 0.2992,
0.3106

37.9260, 0.4379,
0.4719

56.8936, 0.2864,
0.2927

■ 36.6605, 0.4471,
0.4768

■ 59.5430, 0.2747,
0.2761

■ 35.5150, 0.4537,
0.4779

■ 61.5668, 0.2707,
0.2724

■ 63.1592, 0.2710,
0.2762

■ 64.7853, 0.2714,
0.2800

Harmonies

Analogous

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



45.8176, 0.3825, 0.3739



45.8176, 0.3615, 0.3920



45.8176, 0.3280, 0.3927

Triad

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



45.8176, 0.3615, 0.3920



45.8176, 0.2463, 0.3051



45.8176, 0.3313, 0.2902

Complementary

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



45.8176, 0.3615, 0.3920



28.4175, 0.2614, 0.2569

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.



45.8176, 0.2942, 0.2735



45.8176, 0.3615, 0.3920



45.8176, 0.2470, 0.2802

Square

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



45.8176, 0.3615, 0.3920



45.8176, 0.2622, 0.3396



45.8176, 0.2639, 0.2695



45.8176, 0.3649, 0.3161

Rectangle

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



45.8176, 0.3615, 0.3920



45.8176, 0.3035, 0.3816



45.8176, 0.2639, 0.2695



45.8176, 0.3188, 0.2834

Sweetspot

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



45.8197, 0.3615, 0.3920



89.6750, 0.3265, 0.3474



29.8642, 0.3676, 0.3146



19.5674, 0.3288, 0.3504



97.7402, 0.3127, 0.3290



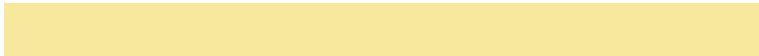
20.4902, 0.3127, 0.3290

Same Dimension

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



45.8197, 0.3615, 0.3920



79.9841, 0.3721, 0.4049



47.8224, 0.3417, 0.4081



10.8315, 0.3268, 0.3478



23.4316, 0.4532, 0.4784



0.9932, 0.4438, 0.4859

Inverse Universe

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



28.4175, 0.2614, 0.2569



44.2071, 0.2496, 0.2394



27.1592, 0.2766, 0.2453



9.4855, 0.2984, 0.3094



3.2744, 0.1547, 0.0770



0.2120, 0.1660, 0.1174

Previews

White Background



This preview shows how the Yxy color 45.8176, 0.3615, 0.3920 looks on a white background.

Color Contrast Check

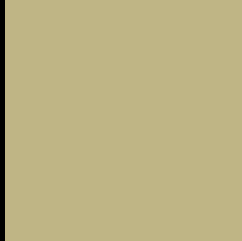
Large Text (above 18pt) WCAG AA × Fail

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 45.8176, 0.3615, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

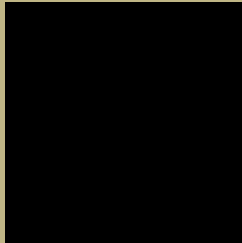
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8176, 0.3615, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 45.8176, 0.3615, 0.3920.



This preview shows how white text looks on a background with the Yxy color 45.8176, 0.3615, 0.3920.

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

45.8176, 0.3615, 0.3920

Protanopia

45.8053, 0.3646, 0.3902

Deuteranopia

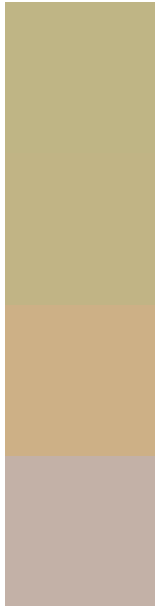
45.7825, 0.3838, 0.3758



Tritanopia

45.8657, 0.3232, 0.3128

Trichromacy



Original Color

45.8176, 0.3615, 0.3920

Protanomaly

45.6734, 0.3637, 0.3904

Deuteranomaly

45.7510, 0.3758, 0.3820

Tritanomaly

45.8364, 0.3372, 0.3419

Monochromacy



Original Color

45.8176, 0.3615, 0.3920

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3184, 0.3300, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8176, 0.3615, 0.3920 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, 181, 133)` looks like.

```
.text, #text, p{  
    color:rgb(191, 181, 133)  
}
```

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, 181, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 181, 133) }
```

Border

The CSS property to change the border of an element to Yxy 45.8176, 0.3615, 0.3920 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, 181, 133) }
```

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

```
.border{ border-color:rgb(191, 181, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 181, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 181, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 181, 133);  
box-shadow:4px 4px 4px 4px rgb(191, 181,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8176, 0.3615, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 181, 133) }
```

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

```
.background{ background-color: rgb(191,  
181, 133) }
```

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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