

Converting Colors

$Y_{xy}(45.0775, 0.3334, 0.3640)$

Have a look what the booklet for
Yxy(45.0775, 0.3334, 0.3640)
contains.

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Color

Yxy(45.1176, 0.3330, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	B4B59B
RGB	180, 181, 155
RGB Percent	71%, 71%, 61%
CMY	0.2941, 0.2902, 0.3922
CMYK	0.01, 0.00, 0.14, 0.29
HSL	62°, 15%, 66%
HSV	62°, 14%, 71%
XYZ	41.2638, 45.1176, 37.5340
YIQ	177.7370, 7.7500, -8.2980

Conversions

Conversions Part 2

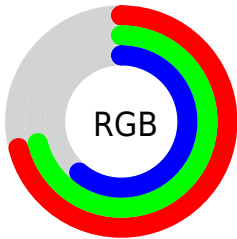
Format	Color
RYB	155, 181, 156
Decimal	11842971
CIELab	72.97, -4.89, 13.16
CIELCh	73, 14.040, 110.375
Yxy	45.1176, 0.3330, 0.3641
Android (android.graphics.Color)	4290033051 (0xFFB4B59B)
YUV	177.7370, -11.2093, 1.9847
Hunter-Lab	67.1696, -7.8903, 13.8879

Details

The Yxy color $45.1176, 0.3330, 0.3641$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.8361, 0.2909, 0.2915$, and the grayscale version is $44.4332, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.0047, 0.3297, 0.3582$, and $20.9498, 0.3384, 0.3737$ is the 20% darker color. If you saturate the color by 10%, you get $44.4743, 0.3474, 0.3892$, and if you desaturate by 10%, it is $45.8564, 0.3188, 0.3395$.

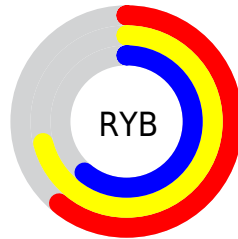
Distribution



Red (71%)

Green (71%)

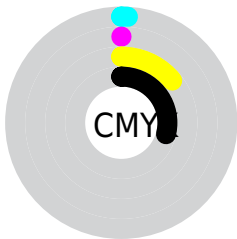
Blue (61%)



Red (61%)

Yellow (71%)

Blue (61%)

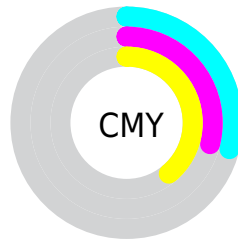


Cyan (1%)

Magenta (0%)

Yellow (14%)

Black (29%)



Cyan (29%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1176, 0.3330, 0.3641 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 45.1176, 0.3330, 0.3641 by changing the saturation by 10% instead.


 45.1176, 0.3330,
0.3641

 45.1176, 0.3330,
0.3641

367.2496, 0.3229,
0.3463

 31.5501, 0.3355,
0.3686


 82.8969, 0.3293,
0.3576

 21.0181, 0.3387,
0.3745


 107.8774, 0.3280,
0.3551

 13.1372, 0.3429,
0.3824


137.4310, 0.3268,
0.3531

 7.5231, 0.3487,
0.3936

171.9421, 0.3258,
0.3513

 3.7913, 0.3571,
0.4105

211.7952, 0.3249,
0.3498

 1.5575, 0.3737,
0.4432

257.3745, 0.3242,

 0.3287, 0.3701,

0.3485

0.6299

309.0645, 0.3235,
0.3473

0.0000, 0.0000,
0.0000

45.1176, 0.3330,
0.3641

45.1176, 0.3330,
0.3641

44.4743, 0.3474,
0.3892

45.8564, 0.3188,
0.3395

43.9166, 0.3614,
0.4139

46.6886, 0.3051,
0.3159

43.4420, 0.3747,
0.4375

47.6197, 0.2921,
0.2936

43.0459, 0.3866,
0.4589

48.6531, 0.2800,
0.2729

42.7231, 0.3966,
0.4772

49.7921, 0.2688,
0.2539

■ 42.4676, 0.4042,
0.4918

■ 50.4747, 0.2635,
0.2446

■ 42.2729, 0.4093,
0.5021

■ 50.5597, 0.2640,
0.2447

■ 42.1308, 0.4119,
0.5082

■ 50.6450, 0.2645,
0.2448

■ 42.0641, 0.4128,
0.5105

■ 50.7308, 0.2649,
0.2449

Harmonies

Analogous

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



45.1176, 0.3472, 0.3587



45.1176, 0.3330, 0.3641



45.1176, 0.3136, 0.3595

Triad

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



45.1176, 0.3330, 0.3641



45.1176, 0.2749, 0.3104



45.1176, 0.3307, 0.3128

Complementary

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



45.1176, 0.3330, 0.3641



33.8361, 0.2909, 0.2915

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.



45.1176, 0.3108, 0.3008



45.1176, 0.3330, 0.3641



45.1176, 0.2790, 0.2990

Square

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



45.1176, 0.3330, 0.3641



45.1176, 0.2804, 0.3276



45.1176, 0.2920, 0.2958



45.1176, 0.3460, 0.3290

Rectangle

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



45.1176, 0.3330, 0.3641



45.1176, 0.3005, 0.3513



45.1176, 0.2920, 0.2958



45.1176, 0.3243, 0.3082

Sweetspot

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



45.1196, 0.3330, 0.3641



82.1698, 0.3184, 0.3387



35.9151, 0.3387, 0.3303



17.7372, 0.3194, 0.3405



91.1408, 0.3127, 0.3290



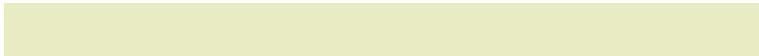
17.8868, 0.3127, 0.3290

Same Dimension

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



45.1196, 0.3330, 0.3641



80.4540, 0.3372, 0.3714



43.6432, 0.3215, 0.3654



9.8899, 0.3258, 0.3515



29.0046, 0.4128, 0.5104



0.9176, 0.4148, 0.5089

Inverse Universe

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



33.8361, 0.2909, 0.2915



56.6454, 0.2860, 0.2831



35.1911, 0.3028, 0.2928



8.2450, 0.2990, 0.3055



2.3373, 0.1515, 0.0608



0.0786, 0.1576, 0.0642

Previews

White Background



This preview shows how the Yxy color 45.1176, 0.3330, 0.3641 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 45.1176, 0.3330, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

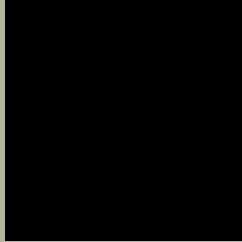
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

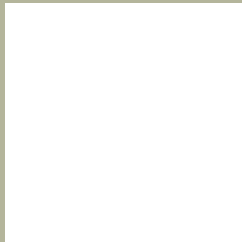
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1176, 0.3330, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 45.1176, 0.3330, 0.3641.



This preview shows how white text looks on a background with the Yxy color 45.1176, 0.3330, 0.3641.

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

45.1176, 0.3330, 0.3641

Protanopia

45.2647, 0.3415, 0.3621

Deuteranopia

44.7767, 0.3555, 0.3481



Tritanopia

45.0827, 0.3092, 0.3110

Trichromacy



Original Color

45.1176, 0.3330, 0.3641

Protanomaly

45.2899, 0.3385, 0.3636

Deuteranomaly

44.6623, 0.3472, 0.3537

Tritanomaly

45.0824, 0.3179, 0.3303

Monochromacy



Original Color

45.1176, 0.3330, 0.3641

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7262, 0.3200, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1176, 0.3330, 0.3641 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(180, 181, 155)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 155)  
}
```

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(180, 181, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 155) }
```

Border

The CSS property to change the border of an element to Yxy 45.1176, 0.3330, 0.3641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

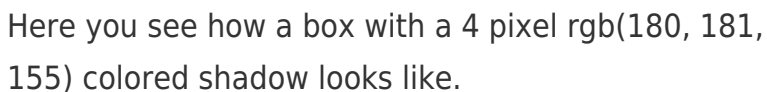
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 181, 155) }
```

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

```
.border{ border-color:rgb(180, 181, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 181, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 181, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 181, 155); box-shadow:4px 4px 4px 4px rgb(180, 181, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1176, 0.3330, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 155) }
```

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

```
.background{ background-color: rgb(180,  
181, 155) }
```

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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