

Converting Colors

$Y_{xy}(45.7340, 0.3537, 0.3946)$

Have a look what the booklet for
Yxy(45.7340, 0.3537, 0.3946)
contains.

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Color

Yxy(45.7786, 0.3534, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	B8B786
RGB	184, 183, 134
RGB Percent	72%, 72%, 53%
CMY	0.2786, 0.2823, 0.4744
CMYK	0.00, 0.01, 0.27, 0.28
HSL	59°, 26%, 62%
HSV	59°, 27%, 72%
XYZ	40.9989, 45.7786, 29.2352
YIQ	177.7130, 16.3250, -15.0270

Conversions

Conversions Part 2

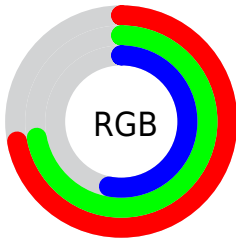
Format	Color
RYB	135, 184, 134
Decimal	12105606
CIELab	73.40, -7.56, 25.11
CIELCh	73, 26.229, 106.762
Yxy	45.7786, 0.3534, 0.3946
Android (android.graphics.Color)	4290295686 (0xFFB8B786)
YUV	177.7130, -21.5505, 5.5137
Hunter-Lab	67.6599, -10.2417, 21.7433

Details

The Yxy color $45.7786, 0.3534, 0.3946$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $25.8491, 0.2664, 0.2537$, and the grayscale version is $44.4702, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0646, 0.3463, 0.3820$, and $21.3512, 0.3637, 0.4133$ is the 20% darker color. If you saturate the color by 10%, you get $45.1662, 0.3683, 0.4184$, and if you desaturate by 10%, it is $46.4848, 0.3382, 0.3702$.

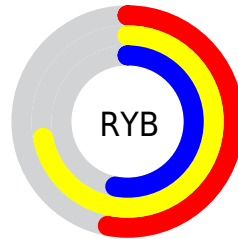
Distribution



Red (72%)

Green (72%)

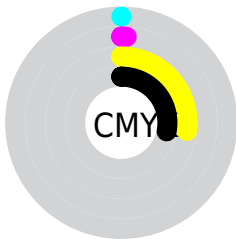
Blue (53%)



Red (53%)

Yellow (72%)

Blue (53%)

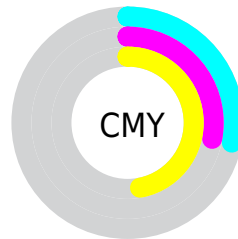


Cyan (0%)

Magenta (1%)

Yellow (27%)

Black (28%)



Cyan (28%)

Magenta (28%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7786, 0.3534, 0.3946 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 45.7786, 0.3534, 0.3946 by changing the saturation by 10% instead.


 45.7786, 0.3534,
0.3946

 45.7786, 0.3534,
0.3946


369.9178, 0.3335,
0.3613

 32.0711, 0.3582,
0.4030


 83.8876, 0.3463,
0.3825

 21.4158, 0.3641,
0.4137


 109.0578, 0.3436,
0.3779

 13.4283, 0.3717,
0.4279

 138.8179, 0.3413,
0.3741

 7.7241, 0.3816,
0.4475

173.5520, 0.3393,
0.3708

 3.9189, 0.3945,
0.4758

213.6447, 0.3375,
0.3679

 1.6283, 0.4414,
0.5586

259.4803, 0.3360,

 0.3766, 0.3151,

0.3655

0.6849

311.4432, 0.3347,
0.3633

0.0000, 0.0000,
0.0000

45.7786, 0.3534,
0.3946

45.7786, 0.3534,
0.3946

45.1662, 0.3683,
0.4184

46.4848, 0.3382,
0.3702

44.6368, 0.3822,
0.4407

47.2828, 0.3232,
0.3459

44.1875, 0.3948,
0.4604

48.1788, 0.3086,
0.3224

43.8125, 0.4053,
0.4769

49.1766, 0.2949,
0.3001

43.5057, 0.4134,
0.4893

50.2797, 0.2821,
0.2793

■ 43.2597, 0.4189,
0.4975

■ 51.4916, 0.2703,
0.2600

■ 43.0640, 0.4220,
0.5017

■ 52.3031, 0.2639,
0.2498

■ 43.0120, 0.4227,
0.5026

■ 52.4509, 0.2640,
0.2502

■ 52.5990, 0.2640,
0.2507

Harmonies

Analogous

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



45.7786, 0.3788, 0.3805



45.7786, 0.3534, 0.3946



45.7786, 0.3179, 0.3896

Triad

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



45.7786, 0.3534, 0.3946



45.7786, 0.2444, 0.2968



45.7786, 0.3416, 0.2964

Complementary

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



45.7786, 0.3534, 0.3946



25.8491, 0.2664, 0.2537

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.



45.7786, 0.3040, 0.2766



45.7786, 0.3534, 0.3946



45.7786, 0.2497, 0.2754

Square

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



45.7786, 0.3534, 0.3946



45.7786, 0.2560, 0.3296



45.7786, 0.2708, 0.2688



45.7786, 0.3723, 0.3242

Rectangle

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



45.7786, 0.3534, 0.3946



45.7786, 0.2936, 0.3750



45.7786, 0.2708, 0.2688



45.7786, 0.3292, 0.2887

Sweetspot

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



45.7807, 0.3534, 0.3946



85.5964, 0.3246, 0.3483



29.0099, 0.3685, 0.3268



18.4041, 0.3269, 0.3519



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.7807, 0.3534, 0.3946



82.2908, 0.3630, 0.4100



43.5309, 0.3319, 0.4006



10.4731, 0.3264, 0.3512



29.6676, 0.4226, 0.5026



1.0552, 0.4217, 0.5034

Inverse Universe

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



25.8491, 0.2664, 0.2537



39.6885, 0.2536, 0.2328



27.7154, 0.2886, 0.2569



8.7462, 0.2984, 0.3058



2.4496, 0.1504, 0.0615



0.0957, 0.1521, 0.0674

Previews

White Background



This preview shows how the Yxy color 45.7786, 0.3534, 0.3946 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 45.7786, 0.3534, 0.3946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

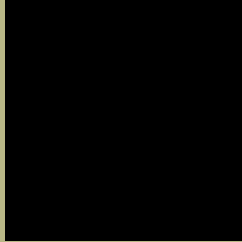
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7786, 0.3534, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 45.7786, 0.3534, 0.3946.



This preview shows how white text looks on a background with the Yxy color 45.7786, 0.3534, 0.3946.

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

45.7786, 0.3534, 0.3946

Protanopia

45.6734, 0.3637, 0.3904

Deuteranopia

45.6618, 0.3819, 0.3747



Tritanopia

45.8447, 0.3144, 0.3113

Trichromacy



Original Color

45.7786, 0.3534, 0.3946

Protanomaly

45.6884, 0.3605, 0.3923

Deuteranomaly

45.7501, 0.3716, 0.3825

Tritanomaly

45.8338, 0.3280, 0.3408

Monochromacy



Original Color

45.7786, 0.3534, 0.3946

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.9544, 0.3273, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7786, 0.3534, 0.3946 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(184, 183, 134)` looks like.

```
.text, #text, p{  
    color:rgb(184, 183, 134)  
}
```

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(184, 183, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 183, 134) }
```

Border

The CSS property to change the border of an element to Yxy 45.7786, 0.3534, 0.3946 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(184, 183, 134) }
```

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

```
.border{ border-color:rgb(184, 183, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 183, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 183, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 183, 134);  
box-shadow:4px 4px 4px 4px rgb(184, 183,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7786, 0.3534, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 183, 134) }
```

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

```
.background{ background-color: rgb(184,  
183, 134) }
```

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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