

Converting Colors

$Y_{xy}(45.3272, 0.3541, 0.4160)$

Have a look what the booklet for
Yxy(45.3272, 0.3541, 0.4160)
contains.

Yxy(45.2170, 0.3540, 0.4153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2170, 0.3540, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	AFB97A
RGB	175, 185, 122
RGB Percent	69%, 73%, 48%
CMY	0.3137, 0.2745, 0.5214
CMYK	0.05, 0.00, 0.34, 0.27
HSL	70°, 31%, 60%
HSV	70°, 34%, 73%
XYZ	38.5428, 45.2170, 25.1181
YIQ	174.8280, 14.2630, -21.7130

Conversions

Conversions Part 2

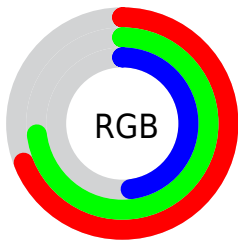
Format	Color
RYB	122, 185, 132
Decimal	11516282
CIELab	73.03, -13.68, 30.85
CIELCh	73, 33.745, 113.919
Yxy	45.2170, 0.3540, 0.4153
Android (android.graphics.Color)	4289706362 (0xFFAFB97A)
YUV	174.8280, -26.0442, 0.1508
Hunter-Lab	67.2436, -15.3634, 24.9234

Details

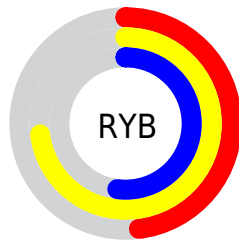
The Yxy color $45.2170, 0.3540, 0.4153$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $22.3376, 0.2617, 0.2316$, and the grayscale version is $42.9101, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9947, 0.3470, 0.3992$, and $21.1080, 0.3647, 0.4412$ is the 20% darker color. If you saturate the color by 10%, you get $44.4668, 0.3651, 0.4406$, and if you desaturate by 10%, it is $46.0660, 0.3421, 0.3894$.

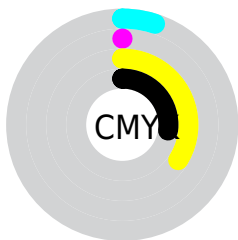
Distribution



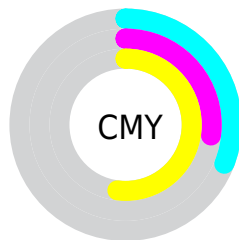
- Red (69%)
- Green (73%)
- Blue (48%)



- Red (48%)
- Yellow (73%)
- Blue (52%)



- Cyan (5%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (31%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2170, 0.3540, 0.4153 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 45.2170, 0.3540, 0.4153 by changing the saturation by 10% instead.


 45.2170, 0.3540,
0.4153

 45.2170, 0.3540,
0.4153


367.6517, 0.3343,
0.3711


 31.6284, 0.3585,
0.4265


 83.0459, 0.3471,
0.3991

 21.0778, 0.3639,
0.4409


 108.0551, 0.3445,
0.3930

 13.1809, 0.3704,
0.4600


 137.6398, 0.3422,
0.3879

 7.5532, 0.3781,
0.4863

172.1846, 0.3402,
0.3836

 3.8104, 0.3879,
0.5264

212.0738, 0.3384,
0.3798

 1.5681, 0.4018,
0.5982

257.6917, 0.3369,

 0.3359, 0.0000,

0.3765

1.0000

309.4229, 0.3355,
0.3736

0.0000, 0.0000,
0.0000

45.2170, 0.3540,
0.4153

45.2170, 0.3540,
0.4153

44.4668, 0.3651,
0.4406

46.0660, 0.3421,
0.3894

43.8043, 0.3749,
0.4642

47.0122, 0.3298,
0.3636

43.2259, 0.3828,
0.4850


48.0621, 0.3176,
0.3387


42.7256, 0.3884,
0.5022

49.2196, 0.3057,
0.3151

42.2961, 0.3914,
0.5152


50.4887, 0.2944,
0.2931


 41.9290, 0.3920,
0.5236

 51.8728, 0.2838,
0.2728

 41.7293, 0.3916,
0.5273

 53.3754, 0.2740,
0.2543

 53.9935, 0.2739,
0.2514

 54.3979, 0.2760,
0.2519

Harmonies

Analogous

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



45.2170, 0.3914, 0.4005



45.2170, 0.3540, 0.4153



45.2170, 0.3072, 0.4032

Triad

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



45.2170, 0.3540, 0.4153



45.2170, 0.2258, 0.2787



45.2170, 0.3607, 0.2951

Complementary

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



45.2170, 0.3540, 0.4153



22.3376, 0.2617, 0.2316

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.



45.2170, 0.3125, 0.2676



45.2170, 0.3540, 0.4153



45.2170, 0.2373, 0.2568

Square

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



45.2170, 0.3540, 0.4153



45.2170, 0.2350, 0.3179



45.2170, 0.2678, 0.2537



45.2170, 0.3967, 0.3310

Rectangle

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



45.2170, 0.3540, 0.4153



45.2170, 0.2772, 0.3801



45.2170, 0.2678, 0.2537



45.2170, 0.3452, 0.2847

Sweetspot

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



45.2190, 0.3540, 0.4153



84.9022, 0.3250, 0.3538



28.0814, 0.3868, 0.3426



18.2477, 0.3267, 0.3573



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.



45.2190, 0.3540, 0.4153



79.9416, 0.3626, 0.4347



42.0405, 0.3262, 0.4236



10.4292, 0.3240, 0.3518



28.4394, 0.3919, 0.5270



1.0222, 0.3994, 0.5210

Inverse Universe

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



22.3376, 0.2617, 0.2316



32.6193, 0.2476, 0.2061



25.2121, 0.2930, 0.2397



8.7861, 0.3008, 0.3055



2.5880, 0.1575, 0.0641



0.1128, 0.1787, 0.0758

Previews

White Background



This preview shows how the Yxy color 45.2170, 0.3540, 0.4153 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 45.2170, 0.3540, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

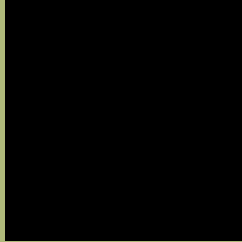
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2170, 0.3540, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 45.2170, 0.3540, 0.4153.



This preview shows how white text looks on a background with the Yxy color 45.2170, 0.3540, 0.4153.

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

45.2170, 0.3540, 0.4153

Protanopia

45.0656, 0.3759, 0.4057

Deuteranopia

44.7526, 0.3937, 0.3855



Tritanopia

44.9587, 0.3084, 0.3109

Trichromacy



Original Color

45.2170, 0.3540, 0.4153

Protanomaly

44.9930, 0.3676, 0.4086

Deuteranomaly

44.6480, 0.3787, 0.3958

Tritanomaly

44.7806, 0.3259, 0.3477

Monochromacy



Original Color

45.2170, 0.3540, 0.4153

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7545, 0.3280, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2170, 0.3540, 0.4153 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(175, 185, 122)` looks like.

```
.text, #text, p{  
    color:rgb(175, 185, 122)  
}
```

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(175, 185, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 185, 122) }
```

Border

The CSS property to change the border of an element to Yxy 45.2170, 0.3540, 0.4153 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(175, 185, 122) }
```

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

```
.border{ border-color:rgb(175, 185, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 185, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 185, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 185, 122);  
box-shadow:4px 4px 4px 4px rgb(175, 185,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2170, 0.3540, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 185, 122) }
```

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

```
.background{ background-color: rgb(175,  
185, 122) }
```

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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