

Converting Colors

$Y_{xy}(45.5520, 0.3580, 0.4373)$

Have a look what the booklet for
Yxy(45.5520, 0.3580, 0.4373)
contains.

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Color

Yxy(45.6166, 0.3580, 0.4376)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AABC6D |
| RGB | 170, 188, 109 |
| RGB Percent | 67%, 74%, 43% |
| CMY | 0.3334, 0.2627, 0.5725 |
| CMYK | 0.10, 0.00, 0.42, 0.26 |
| HSL | 74°, 37%, 58% |
| HSV | 74°, 42%, 74% |
| XYZ | 37.3189, 45.6166, 21.3072 |
| YIQ | 173.6120, 14.6310, -28.3850 |

Conversions

Conversions Part 2

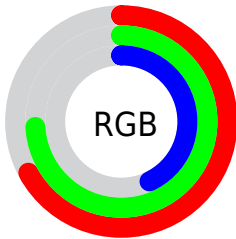
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 109, 188, 127 |
| Decimal | 11189357 |
| CIELab | 73.30, -18.77, 37.84 |
| CIELCh | 73, 42.243, 116.378 |
| Yxy | 45.6166, 0.3580, 0.4376 |
| Android (android.graphics.Color) | 4289379437 (0xFFAABC6D) |
| YUV | 173.6120, -31.8537, -3.1677 |
| Hunter-Lab | 67.5401, -19.5659, 28.5735 |

Details

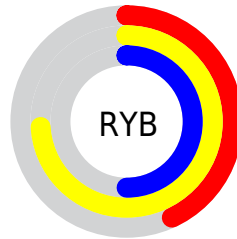
The Yxy color $45.6166, 0.3580, 0.4376$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $19.0842, 0.2521, 0.2065$, and the grayscale version is $42.2788, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4788, 0.3506, 0.4168$, and $21.3567, 0.3669, 0.4705$ is the 20% darker color. If you saturate the color by 10%, you get $44.7858, 0.3668, 0.4628$, and if you desaturate by 10%, it is $46.5536, 0.3479, 0.4112$.

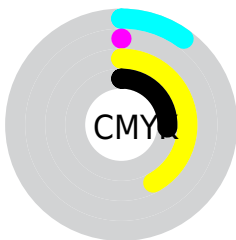
Distribution



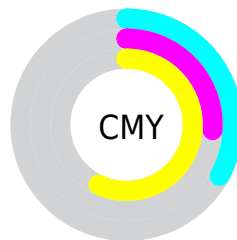
- Red (67%)
- Green (74%)
- Blue (43%)



- Red (43%)
- Yellow (74%)
- Blue (50%)



- Cyan (10%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)





- Cyan (33%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6166, 0.3580, 0.4376 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 45.6166, 0.3580, 0.4376 by changing the saturation by 10% instead.


 45.6166, 0.3580,
0.4376


 45.6166, 0.3580,
0.4376


369.2651, 0.3371,
0.3819


 31.9434, 0.3624,
0.4516

 83.6449, 0.3510,
0.4172


 21.3183, 0.3674,
0.4696


 108.7688, 0.3482,
0.4095

 13.3568, 0.3728,
0.4931


 138.4784, 0.3457,
0.4031

 7.6747, 0.3778,
0.5246

 173.1580, 0.3436,
0.3976

 3.8875, 0.3908,
0.5848

213.1921, 0.3417,
0.3929

 1.6108, 0.3697,
0.6303

258.9650, 0.3400,

 0.3649, 0.0000,

0.3887

1.0000

310.8612, 0.3385,
0.3851

■ 0.0000, 0.0000,
0.0000

■ 45.6166, 0.3580,
0.4376

■ 45.6166, 0.3580,
0.4376

■ 44.7858, 0.3668,
0.4628

■ 46.5536, 0.3479,
0.4112

■ 44.0495, 0.3739,
0.4856

■ 47.5961, 0.3371,
0.3847

■ 43.4033, 0.3787,
0.5051


■ 48.7507, 0.3260,
0.3587

■ 42.8400, 0.3811,
0.5203

■ 50.0222, 0.3149,
0.3338

■ 42.3508, 0.3809,
0.5310

■ 51.4146, 0.3042,
0.3106

 42.0003, 0.3794,
0.5369

 52.9321, 0.2940,
0.2891

 54.5784, 0.2844,
0.2694

 56.0696, 0.2782,
0.2557

 56.6852, 0.2813,
0.2563

Harmonies

Analogous

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



45.6166, 0.4065, 0.4189



45.6166, 0.3580, 0.4376



45.6166, 0.2999, 0.4207

Triad

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



45.6166, 0.3580, 0.4376



45.6166, 0.2069, 0.2627



45.6166, 0.3769, 0.2903

Complementary

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



45.6166, 0.3580, 0.4376



19.0842, 0.2521, 0.2065

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.



45.6166, 0.3168, 0.2564



45.6166, 0.3580, 0.4376



45.6166, 0.2226, 0.2392

Square

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



45.6166, 0.3580, 0.4376



45.6166, 0.2154, 0.3092



45.6166, 0.2609, 0.2380



45.6166, 0.4203, 0.3337

Rectangle

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



45.6166, 0.3580, 0.4376



45.6166, 0.2638, 0.3893



45.6166, 0.2609, 0.2380



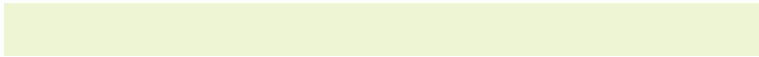
45.6166, 0.3576, 0.2776

Sweetspot

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



45.6186, 0.3580, 0.4376



88.0843, 0.3273, 0.3617



26.7500, 0.4091, 0.3532



18.8399, 0.3298, 0.3674



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.



45.6186, 0.3580, 0.4376



81.3317, 0.3659, 0.4598



41.9308, 0.3241, 0.4505



11.0078, 0.3230, 0.3519



28.6277, 0.3800, 0.5365



1.1488, 0.3899, 0.5286

Inverse Universe

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



19.0842, 0.2521, 0.2065



27.1127, 0.2363, 0.1775



22.6364, 0.2926, 0.2194



9.3276, 0.3018, 0.3055



2.8484, 0.1632, 0.0673



0.1419, 0.1882, 0.0811

Previews

White Background



This preview shows how the Yxy color 45.6166, 0.3580, 0.4376 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 45.6166, 0.3580, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

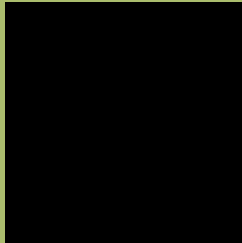
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6166, 0.3580, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 45.6166, 0.3580, 0.4376.



This preview shows how white text looks on a background with the Yxy color 45.6166, 0.3580, 0.4376.

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

45.6166, 0.3580, 0.4376

Protanopia

45.5534, 0.3894, 0.4229

Deuteranopia

45.4490, 0.4075, 0.3996



Tritanopia

45.3499, 0.3033, 0.3108

Trichromacy



Original Color

45.6166, 0.3580, 0.4376

Protanomaly

45.4933, 0.3776, 0.4286

Deuteranomaly

45.2900, 0.3886, 0.4126

Tritanomaly

45.2946, 0.3235, 0.3561

Monochromacy



Original Color

45.6166, 0.3580, 0.4376

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3264, 0.3311, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6166, 0.3580, 0.4376 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(170, 188, 109)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 109)  
}
```

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(170, 188, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 109) }
```

Border

The CSS property to change the border of an element to Yxy 45.6166, 0.3580, 0.4376 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(170, 188, 109) }
```

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

```
.border{ border-color:rgb(170, 188, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 188, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 188, 109); box-shadow:4px 4px 4px 4px rgb(170, 188, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6166, 0.3580, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 109) }
```

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

```
.background{ background-color: rgb(170,  
188, 109) }
```

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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