

Converting Colors

$Y_{xy}(45.3192, 0.3620, 0.4646)$

Have a look what the booklet for
Yxy(45.3192, 0.3620, 0.4646)
contains.

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Color

Yxy(45.2810, 0.3614, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	A2BE5C
RGB	162, 190, 92
RGB Percent	64%, 75%, 36%
CMY	0.3647, 0.2549, 0.6394
CMYK	0.15, 0.00, 0.52, 0.25
HSL	77°, 43%, 55%
HSV	77°, 52%, 75%
XYZ	35.2456, 45.2810, 16.9987
YIQ	170.4560, 14.7700, -36.4140

Conversions

Conversions Part 2

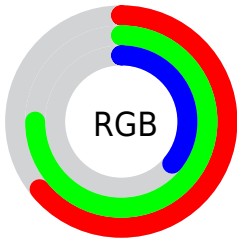
Format	Color
RYB	92, 190, 120
Decimal	10665564
CIELab	73.08, -24.73, 45.89
CIElCh	73, 52.129, 118.323
Yxy	45.2810, 0.3614, 0.4643
Android (android.graphics.Color)	4288855644 (0xFFA2BE5C)
YUV	170.4560, -38.6788, -7.4159
Hunter-Lab	67.2912, -24.2651, 32.1264

Details

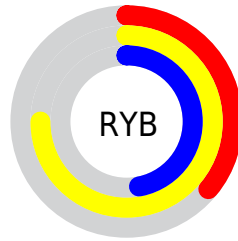
The Yxy color $45.2810, 0.3614, 0.4643$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $15.3558, 0.2403, 0.1769$, and the grayscale version is $40.6296, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8613, 0.3542, 0.4382$, and $21.2396, 0.3685, 0.5039$ is the 20% darker color. If you saturate the color by 10%, you get $44.4355, 0.3675, 0.4884$, and if you desaturate by 10%, it is $46.2384, 0.3535, 0.4381$.

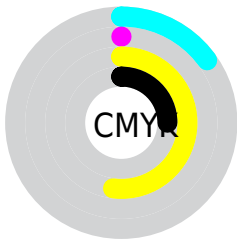
Distribution



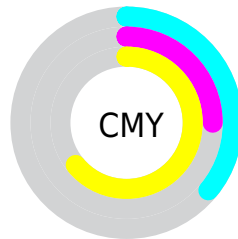
- Red (64%)
- Green (75%)
- Blue (36%)



- Red (36%)
- Yellow (75%)
- Blue (47%)



- Cyan (15%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)





- Cyan (36%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2810, 0.3614, 0.4643 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 45.2810, 0.3614, 0.4643 by changing the saturation by 10% instead.


 45.2810, 0.3614,
0.4643


 45.2810, 0.3614,
0.4643


367.9104, 0.3402,
0.3946

 31.6788, 0.3652,
0.4817


 83.1419, 0.3547,
0.4389

 21.1163, 0.3690,
0.5036


 108.1695, 0.3519,
0.4293

 13.2090, 0.3721,
0.5319


 137.7742, 0.3493,
0.4212

 7.5726, 0.3725,
0.5690

 172.3406, 0.3471,
0.4144

 3.8227, 0.3712,
0.6288

212.2530, 0.3451,
0.4084

 1.5749, 0.3290,
0.6710

257.8959, 0.3433,

 0.3406, 0.0000,

0.4032

1.0000

309.6536, 0.3416,
0.3987

■ 0.0000, 0.0000,
0.0000

■ 45.2810, 0.3614,
0.4643

■ 45.2810, 0.3614,
0.4643

■ 44.4355, 0.3675,
0.4884

■ 46.2384, 0.3535,
0.4381

■ 43.6891, 0.3715,
0.5092

■ 47.3076, 0.3444,
0.4110

■ 43.0363, 0.3729,
0.5258

■ 48.4961, 0.3346,
0.3839

■ 42.4682, 0.3719,
0.5377

■ 49.8091, 0.3244,
0.3577

■ 42.0420, 0.3696,
0.5447

■ 51.2511, 0.3143,
0.3328

■ 52.8269, 0.3045,
0.3097

■ 54.5404, 0.2951,
0.2883

■ 56.3959, 0.2863,
0.2689

■ 57.8734, 0.2830,
0.2588

Harmonies

Analogous

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



45.2810, 0.4226, 0.4394



45.2810, 0.3614, 0.4643



45.2810, 0.2907, 0.4421

Triad

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



45.2810, 0.3614, 0.4643



45.2810, 0.1860, 0.2443



45.2810, 0.3962, 0.2846

Complementary

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



45.2810, 0.3614, 0.4643



15.3558, 0.2403, 0.1769

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.



45.2810, 0.3218, 0.2439



45.2810, 0.3614, 0.4643



45.2810, 0.2062, 0.2195

Square

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



45.2810, 0.3614, 0.4643



45.2810, 0.1935, 0.2983



45.2810, 0.2529, 0.2207



45.2810, 0.4480, 0.3360

Rectangle

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



45.2810, 0.3614, 0.4643



45.2810, 0.2479, 0.4002



45.2810, 0.2529, 0.2207



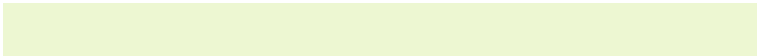
45.2810, 0.3724, 0.2695

Sweetspot

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



45.2830, 0.3614, 0.4643



89.3638, 0.3281, 0.3671



25.0905, 0.4369, 0.3672



19.5116, 0.3303, 0.3727



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.



45.2830, 0.3614, 0.4643



80.3193, 0.3682, 0.4915



41.1250, 0.3200, 0.4842



10.9800, 0.3221, 0.3520



27.9957, 0.3703, 0.5442



1.1282, 0.3825, 0.5345

Inverse Universe

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



15.3558, 0.2403, 0.1769



20.1259, 0.2205, 0.1418



19.7745, 0.2937, 0.1974



9.3537, 0.3027, 0.3056



3.0332, 0.1694, 0.0707



0.1532, 0.1969, 0.0859

Previews

White Background



This preview shows how the Yxy color 45.2810, 0.3614, 0.4643 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 45.2810, 0.3614, 0.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

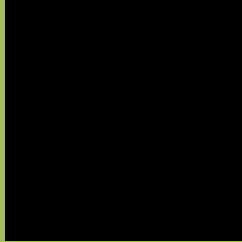
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2810, 0.3614, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 45.2810, 0.3614, 0.4643.



This preview shows how white text looks on a background with the Yxy color 45.2810, 0.3614, 0.4643.

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

45.2810, 0.3614, 0.4643

Protanopia

44.9505, 0.4042, 0.4413

Deuteranopia

45.0490, 0.4231, 0.4149



Tritanopia

45.0891, 0.2976, 0.3106

Trichromacy



Original Color

45.2810, 0.3614, 0.4643

Protanomaly

44.9025, 0.3885, 0.4503

Deuteranomaly

44.6728, 0.3999, 0.4328

Tritanomaly

44.8133, 0.3230, 0.3663

Monochromacy



Original Color

45.2810, 0.3614, 0.4643

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6128, 0.3326, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2810, 0.3614, 0.4643 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(162, 190, 92)` looks like.

```
.text, #text, p{  
    color:rgb(162, 190, 92)  
}
```

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(162, 190, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 190, 92) }
```

Border

The CSS property to change the border of an element to Yxy 45.2810, 0.3614, 0.4643 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(162, 190, 92) }
```

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

```
.border{ border-color:rgb(162, 190, 92) }
```

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

Here you see how a box with a 4 pixel rgb(162, 190, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 190, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 190, 92);  
box-shadow:4px 4px 4px 4px rgb(162, 190,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2810, 0.3614, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 190, 92) }
```

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

```
.background{ background-color: rgb(162,  
190, 92) }
```

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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