

Converting Colors

$Yxy(45.6967, 0.3452, 0.4240)$

Have a look what the booklet for
Yxy(45.6967, 0.3452, 0.4240)
contains.

Yxy(45.8827, 0.3453, 0.4239)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.8827, 0.3453, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	A6BD79
RGB	166, 189, 121
RGB Percent	65%, 74%, 47%
CMY	0.3490, 0.2588, 0.5254
CMYK	0.12, 0.00, 0.36, 0.26
HSL	80°, 34%, 61%
HSV	80°, 36%, 74%
XYZ	37.3751, 45.8827, 24.9817
YIQ	174.3710, 8.1200, -26.0240

Conversions

Conversions Part 2

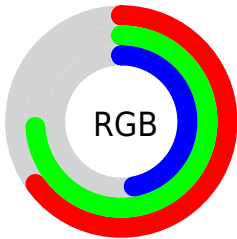
Format	Color
RYB	121, 189, 144
Decimal	10927481
CIELab	73.47, -19.33, 31.82
CIElCh	73, 37.231, 121.281
Yxy	45.8827, 0.3453, 0.4239
Android (android.graphics.Color)	4289117561 (0xFFA6BD79)
YUV	174.3710, -26.3119, -7.3414
Hunter-Lab	67.7368, -20.0485, 25.5493

Details

The Yxy color **45.8827, 0.3453, 0.4239** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.2861, 0.2699, 0.2283**, and the grayscale version is **42.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8904, 0.3405, 0.4056**, and **21.5740, 0.3522, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **44.7912, 0.3530, 0.4515**, and if you desaturate by 10%, it is **47.1034, 0.3367, 0.3962**.

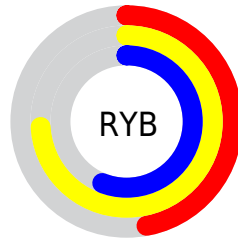
Distribution



Red (65%)

Green (74%)

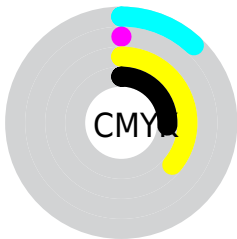
Blue (47%)



Red (47%)

Yellow (74%)

Blue (56%)

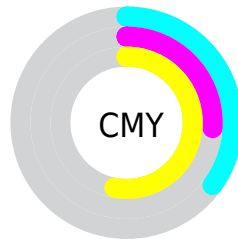


Cyan (12%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (35%)


Magenta (26%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8827, 0.3453, 0.4239 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 45.8827, 0.3453, 0.4239 by changing the saturation by 10% instead.


 45.8827, 0.3453,
0.4239

 45.8827, 0.3453,
0.4239

370.3369, 0.3303,
0.3749


 32.1533, 0.3485,
0.4364


 84.0434, 0.3402,
0.4058

 21.4786, 0.3522,
0.4527


 109.2435, 0.3382,
0.3991

 13.4743, 0.3563,
0.4743


 139.0359, 0.3364,
0.3935

 7.7559, 0.3604,
0.5043

173.8051, 0.3349,
0.3887

 3.9392, 0.3646,
0.5509

213.9353, 0.3335,
0.3845

 1.6396, 0.3668,
0.6332

259.8111, 0.3323,

 0.3841, 0.0000,

0.3809

1.0000

311.8168, 0.3313,
0.3777

0.0000, 0.0000,
0.0000

45.8827, 0.3453,
0.4239

45.8827, 0.3453,
0.4239

44.7912, 0.3530,
0.4515

47.1034, 0.3367,
0.3962

43.8172, 0.3592,
0.4778

48.4528, 0.3275,
0.3692

42.9561, 0.3635,
0.5016


49.9378, 0.3182,
0.3435


42.2010, 0.3655,
0.5218


51.5631, 0.3091,
0.3196

41.5435, 0.3651,
0.5374

53.3333, 0.3002,
0.2975

 40.9734, 0.3623,
0.5481

 55.2525, 0.2918,
0.2775

 40.7600, 0.3609,
0.5517

 57.3249, 0.2840,
0.2593

 58.3947, 0.2875,
0.2587

 59.3950, 0.2922,
0.2596

Harmonies

Analogous

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



45.8827, 0.3902, 0.4132



45.8827, 0.3453, 0.4239



45.8827, 0.2938, 0.4030

Triad

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



45.8827, 0.3453, 0.4239



45.8827, 0.2191, 0.2659



45.8827, 0.3769, 0.3008

Complementary

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



45.8827, 0.3453, 0.4239



23.2861, 0.2699, 0.2283

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.



45.8827, 0.3255, 0.2684



45.8827, 0.3453, 0.4239



45.8827, 0.2368, 0.2476

Square

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



45.8827, 0.3453, 0.4239



45.8827, 0.2234, 0.3043



45.8827, 0.2744, 0.2493



45.8827, 0.4109, 0.3408

Rectangle

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



45.8827, 0.3453, 0.4239



45.8827, 0.2628, 0.3735



45.8827, 0.2744, 0.2493



45.8827, 0.3609, 0.2888

Sweetspot

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



45.8847, 0.3453, 0.4239



88.0184, 0.3231, 0.3567



32.0508, 0.3866, 0.3606



18.8512, 0.3243, 0.3602



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.



45.8847, 0.3453, 0.4239



80.6446, 0.3513, 0.4452



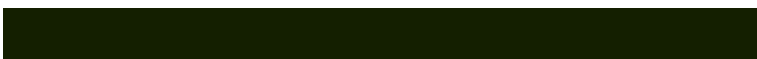
42.7120, 0.3166, 0.4331



10.9545, 0.3214, 0.3520



27.4666, 0.3616, 0.5511



1.1105, 0.3758, 0.5398

Inverse Universe

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



23.2861, 0.2699, 0.2283



34.3338, 0.2582, 0.2039



26.7806, 0.3047, 0.2378



9.3781, 0.3035, 0.3057



3.2427, 0.1763, 0.0745



0.1637, 0.2047, 0.0901

Previews

White Background



This preview shows how the Yxy color 45.8827, 0.3453, 0.4239 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 45.8827, 0.3453, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

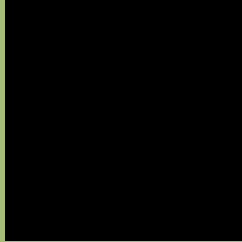
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8827, 0.3453, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 45.8827, 0.3453, 0.4239.



This preview shows how white text looks on a background with the Yxy color 45.8827, 0.3453, 0.4239.

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

45.8827, 0.3453, 0.4239

Protanopia

45.6626, 0.3798, 0.4100

Deuteranopia

45.4328, 0.3951, 0.3862



Tritanopia

45.7677, 0.2985, 0.3107

Trichromacy



Original Color

45.8827, 0.3453, 0.4239

Protanomaly

45.4893, 0.3672, 0.4154

Deuteranomaly

45.1663, 0.3759, 0.3987

Tritanomaly

45.4276, 0.3159, 0.3507

Monochromacy



Original Color

45.8827, 0.3453, 0.4239

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2647, 0.3252, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8827, 0.3453, 0.4239 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(166, 189, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 121)  
}
```

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(166, 189, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 121) }
```

Border

The CSS property to change the border of an element to Yxy 45.8827, 0.3453, 0.4239 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(166, 189, 121) }
```

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

```
.border{ border-color:rgb(166, 189, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 121);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8827, 0.3453, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 121) }
```

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

```
.background{ background-color: rgb(166,  
189, 121) }
```

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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