

Converting Colors

$Yxy(45.8083, 0.3469, 0.4054)$

Have a look what the booklet for
Yxy(45.8083, 0.3469, 0.4054)
contains.

Yxy(45.8435, 0.3475, 0.4057)	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(45.8435, 0.3475, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	AFBA82
RGB	175, 186, 130
RGB Percent	69%, 73%, 51%
CMY	0.3137, 0.2706, 0.4903
CMYK	0.06, 0.00, 0.30, 0.27
HSL	72°, 29%, 62%
HSV	72°, 30%, 73%
XYZ	39.2670, 45.8435, 27.8880
YIQ	176.3270, 11.4200, -19.7480

Conversions

Conversions Part 2

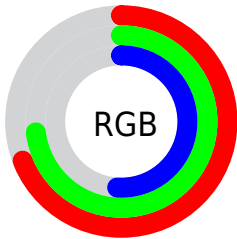
Format	Color
RYB	130, 186, 141
Decimal	11516546
CIELab	73.44, -13.14, 27.20
CIELCh	73, 30.209, 115.789
Yxy	45.8435, 0.3475, 0.4057
Android (android.graphics.Color)	4289706626 (0xFFAFBA82)
YUV	176.3270, -22.8392, -1.1638
Hunter-Lab	67.7078, -14.9681, 22.9746

Details

The Yxy color $45.8435, 0.3475, 0.4057$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $25.1636, 0.2706, 0.2447$, and the grayscale version is $43.7131, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9121, 0.3418, 0.3916$, and $21.4918, 0.3562, 0.4286$ is the 20% darker color. If you saturate the color by 10%, you get $44.9737, 0.3583, 0.4318$, and if you desaturate by 10%, it is $46.8191, 0.3360, 0.3794$.

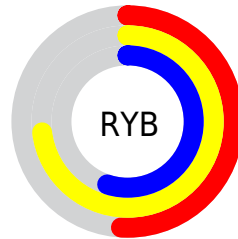
Distribution



Red (69%)

Green (73%)

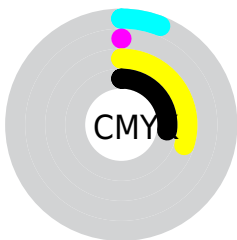
Blue (51%)



Red (51%)

Yellow (73%)

Blue (55%)

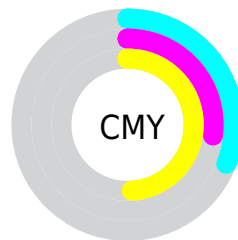


Cyan (6%)

Magenta (0%)

Yellow (30%)

Black (27%)



Cyan (31%)


Magenta (27%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8435, 0.3475, 0.4057 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 45.8435, 0.3475, 0.4057 by changing the saturation by 10% instead.


 45.8435, 0.3475,
0.4057


 45.8435, 0.3475,
0.4057


370.1791, 0.3308,
0.3664


 32.1223, 0.3513,
0.4157


 83.9847, 0.3417,
0.3913

 21.4550, 0.3560,
0.4286


 109.1736, 0.3394,
0.3859

 13.4570, 0.3618,
0.4458


 138.9538, 0.3375,
0.3814

 7.7440, 0.3688,
0.4697

173.7098, 0.3358,
0.3775

 3.9316, 0.3768,
0.5046

213.8259, 0.3343,
0.3742

 1.6353, 0.4064,
0.5936

259.6866, 0.3330,

 0.3813, 0.0983,

0.3713

0.9017

311.6762, 0.3319,
0.3687

0.0000, 0.0000,
0.0000

45.8435, 0.3475,
0.4057

45.8435, 0.3475,
0.4057

44.9737, 0.3583,
0.4318

46.8191, 0.3360,
0.3794

44.1986, 0.3680,
0.4568

47.8989, 0.3244,
0.3538

43.5149, 0.3760,
0.4795

49.0894, 0.3129,
0.3293

42.9164, 0.3819,
0.4990

50.3944, 0.3018,
0.3063

42.3965, 0.3853,
0.5145

51.8179, 0.2912,
0.2851

■ 41.9470, 0.3861,
0.5254

■ 53.3635, 0.2814,
0.2656

■ 41.5562, 0.3850,
0.5325

■ 54.6967, 0.2754,
0.2529

■ 55.2073, 0.2780,
0.2534

■ 55.7299, 0.2807,
0.2540

Harmonies

Analogous

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



45.8435, 0.3816, 0.3946



45.8435, 0.3475, 0.4057



45.8435, 0.3055, 0.3930

Triad

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



45.8435, 0.3475, 0.4057



45.8435, 0.2346, 0.2826



45.8435, 0.3580, 0.3005

Complementary

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



45.8435, 0.3475, 0.4057



25.1636, 0.2706, 0.2447

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.



45.8435, 0.3155, 0.2749



45.8435, 0.3475, 0.4057



45.8435, 0.2462, 0.2636

Square

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



45.8435, 0.3475, 0.4057



45.8435, 0.2419, 0.3170



45.8435, 0.2749, 0.2615



45.8435, 0.3888, 0.3334

Rectangle

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



45.8435, 0.3475, 0.4057



45.8435, 0.2789, 0.3719



45.8435, 0.2749, 0.2615



45.8435, 0.3444, 0.2909

Sweetspot

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



45.8455, 0.3475, 0.4057



87.0163, 0.3232, 0.3513



30.8786, 0.3749, 0.3436



19.0960, 0.3249, 0.3550



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.



45.8455, 0.3475, 0.4057



82.0501, 0.3546, 0.4227



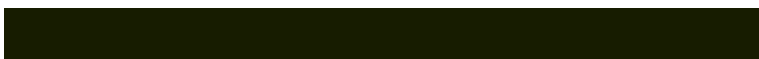
43.0002, 0.3233, 0.4120



10.4119, 0.3234, 0.3518



27.9877, 0.3855, 0.5321



1.0097, 0.3947, 0.5248

Inverse Universe

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



25.1636, 0.2706, 0.2447



38.6703, 0.2595, 0.2238



27.8570, 0.2977, 0.2510



8.8021, 0.3014, 0.3056



2.6691, 0.1604, 0.0657



0.1196, 0.1850, 0.0793

Previews

White Background



This preview shows how the Yxy color 45.8435, 0.3475, 0.4057 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 45.8435, 0.3475, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

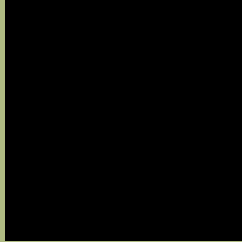
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8435, 0.3475, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 45.8435, 0.3475, 0.4057.



This preview shows how white text looks on a background with the Yxy color 45.8435, 0.3475, 0.4057.

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

45.8435, 0.3475, 0.4057

Protanopia

45.6442, 0.3697, 0.3979

Deuteranopia

45.7267, 0.3856, 0.3782



Tritanopia

45.7138, 0.3059, 0.3110

Trichromacy



Original Color

45.8435, 0.3475, 0.4057

Protanomaly

45.5792, 0.3615, 0.4007

Deuteranomaly

45.6488, 0.3710, 0.3881

Tritanomaly

45.6156, 0.3215, 0.3450

Monochromacy



Original Color

45.8435, 0.3475, 0.4057

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3758, 0.3262, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8435, 0.3475, 0.4057 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, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(175, 186, 130)  
}
```

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, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 186, 130) }
```

Border

The CSS property to change the border of an element to Yxy 45.8435, 0.3475, 0.4057 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, 186, 130) }
```

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

```
.border{ border-color:rgb(175, 186, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(175, 186,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8435, 0.3475, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 186, 130) }
```

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

```
.background{ background-color: rgb(175,  
186, 130) }
```

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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