

Converting Colors

$Yxy(45.9154, 0.3393, 0.4363)$

Have a look what the booklet for
Yxy(45.9154, 0.3393, 0.4363)
contains.

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Color

Yxy(46.0281, 0.3393, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	9CC074
RGB	156, 192, 116
RGB Percent	61%, 75%, 45%
CMY	0.3882, 0.2470, 0.5452
CMYK	0.19, 0.00, 0.40, 0.25
HSL	88°, 38%, 60%
HSV	88°, 40%, 75%
XYZ	35.7131, 46.0281, 23.5140
YIQ	172.5720, 2.9400, -31.2680

Conversions

Conversions Part 2

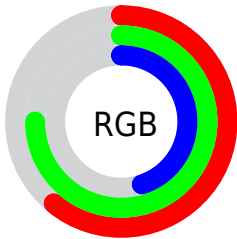
Format	Color
RYB	116, 192, 152
Decimal	10272884
CIELab	73.56, -25.25, 34.43
CIELCh	74, 42.696, 126.258
Yxy	46.0281, 0.3393, 0.4373
Android (android.graphics.Color)	4288462964 (0xFF9CC074)
YUV	172.5720, -27.8900, -14.5336
Hunter-Lab	67.8440, -24.7646, 26.9415

Details

The Yxy color **46.0281, 0.3393, 0.4373** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.9595, 0.2747, 0.2198**, and the grayscale version is **41.7043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6130, 0.3358, 0.4167**, and **21.4539, 0.3436, 0.4706** is the 20% darker color. If you saturate the color by 10%, you get **44.7556, 0.3442, 0.4666**, and if you desaturate by 10%, it is **47.4648, 0.3333, 0.4080**.

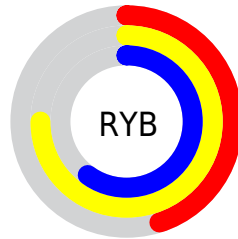
Distribution



Red (61%)

Green (75%)

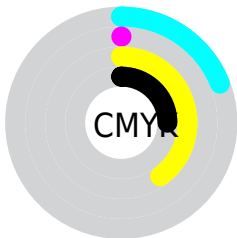
Blue (45%)



Red (45%)

Yellow (75%)

Blue (60%)

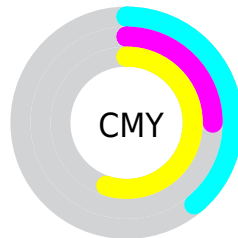


Cyan (19%)

Magenta (0%)

Yellow (40%)

Black (25%)



Cyan (39%)


Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0281, 0.3393, 0.4373 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 46.0281, 0.3393, 0.4373 by changing the saturation by 10% instead.


 46.0281, 0.3393,
0.4373

 46.0281, 0.3393,
0.4373


370.9216, 0.3278,
0.3810


 32.2680, 0.3414,
0.4518


 84.2611, 0.3356,
0.4164

 21.5663, 0.3436,
0.4707


 109.5027, 0.3341,
0.4087

 13.5386, 0.3455,
0.4959


 139.3403, 0.3327,
0.4022

 7.8004, 0.3460,
0.5309

174.1583, 0.3315,
0.3967

 3.9675, 0.3463,
0.5893

214.3410, 0.3304,
0.3919

 1.6554, 0.3288,
0.6712

260.2728, 0.3295,

 0.3945, 0.0000,

0.3878

1.0000

312.3383, 0.3286,
0.3842

■ 0.0000, 0.0000,
0.0000

■ 46.0281, 0.3393,
0.4373

■ 46.0281, 0.3393,
0.4373

■ 44.7556, 0.3442,
0.4666

■ 47.4648, 0.3333,
0.4080

■ 43.6341, 0.3476,
0.4945

■ 49.0662, 0.3266,
0.3796

■ 42.6577, 0.3490,
0.5197

■ 50.8408, 0.3195,
0.3528


■ 41.8174, 0.3481,
0.5408

■ 52.7942, 0.3124,
0.3281

■ 41.1033, 0.3451,
0.5567

■ 54.9322, 0.3055,
0.3054

 40.4975, 0.3403,
0.5677

 57.2599, 0.2988,
0.2850

 40.4748, 0.3401,
0.5681

 59.7826, 0.2925,
0.2667

 61.5308, 0.2960,
0.2635

 63.0624, 0.3027,
0.2648

Harmonies

Analogous

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



46.0281, 0.3931, 0.4289



46.0281, 0.3393, 0.4373



46.0281, 0.2812, 0.4075

Triad

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



46.0281, 0.3393, 0.4373



46.0281, 0.2088, 0.2518



46.0281, 0.3947, 0.3037

Complementary

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



46.0281, 0.3393, 0.4373



22.9595, 0.2747, 0.2198

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.



46.0281, 0.3373, 0.2657



46.0281, 0.3393, 0.4373



46.0281, 0.2323, 0.2358

Square

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



46.0281, 0.3393, 0.4373



46.0281, 0.2092, 0.2913



46.0281, 0.2776, 0.2415



46.0281, 0.4286, 0.3490

Rectangle

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



46.0281, 0.3393, 0.4373



46.0281, 0.2479, 0.3703



46.0281, 0.2776, 0.2415



46.0281, 0.3771, 0.2899

Sweetspot

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



46.0301, 0.3393, 0.4373



91.2546, 0.3214, 0.3596



34.7452, 0.3912, 0.3773



19.4849, 0.3223, 0.3631



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.



46.0301, 0.3393, 0.4373



81.2742, 0.3438, 0.4642



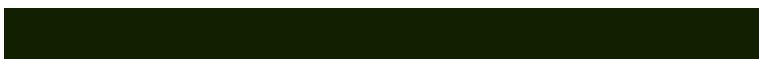
42.8471, 0.3090, 0.4481



11.5140, 0.3194, 0.3522



27.2812, 0.3410, 0.5674



1.2195, 0.3578, 0.5541

Inverse Universe

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



22.9595, 0.2747, 0.2198



33.3763, 0.2632, 0.1925



27.1676, 0.3145, 0.2318



9.9765, 0.3056, 0.3057



4.0986, 0.1983, 0.0866



0.2181, 0.2236, 0.1005

Previews

White Background



This preview shows how the Yxy color 46.0281, 0.3393, 0.4373 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 46.0281, 0.3393, 0.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

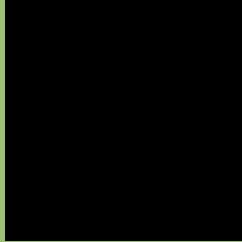
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0281, 0.3393, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 46.0281, 0.3393, 0.4373.



This preview shows how white text looks on a background with the Yxy color 46.0281, 0.3393, 0.4373.

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

46.0281, 0.3393, 0.4373

Protanopia

45.6605, 0.3855, 0.4170

Deuteranopia

45.4600, 0.4005, 0.3918



Tritanopia

45.8119, 0.2899, 0.3092

Trichromacy



Original Color

46.0281, 0.3393, 0.4373

Protanomaly

45.4183, 0.3678, 0.4239

Deuteranomaly

45.0414, 0.3767, 0.4069

Tritanomaly

45.8375, 0.3082, 0.3538

Monochromacy



Original Color

46.0281, 0.3393, 0.4373

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1250, 0.3239, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0281, 0.3393, 0.4373 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(156, 192, 116)` looks like.

```
.text, #text, p{  
    color:rgb(156, 192, 116)  
}
```

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(156, 192, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 192, 116) }
```

Border

The CSS property to change the border of an element to Yxy 46.0281, 0.3393, 0.4373 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(156, 192, 116) }
```

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

```
.border{ border-color:rgb(156, 192, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 192, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 192, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 192, 116);  
box-shadow:4px 4px 4px 4px rgb(156, 192,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0281, 0.3393, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 192, 116) }
```

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

```
.background{ background-color: rgb(156,  
192, 116) }
```

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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