

Converting Colors

$Yxy(46.8191, 0.3400, 0.4565)$

Have a look what the booklet for
Yxy(46.8191, 0.3400, 0.4565)
contains.

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Color

Yxy(47.0045, 0.3397, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	96C46A
RGB	150, 196, 106
RGB Percent	59%, 77%, 42%
CMY	0.4118, 0.2313, 0.5843
CMYK	0.23, 0.00, 0.46, 0.23
HSL	91°, 43%, 59%
HSV	91°, 46%, 77%
XYZ	34.9167, 47.0045, 20.8658
YIQ	171.9860, 1.4740, -37.7420

Conversions

Conversions Part 2

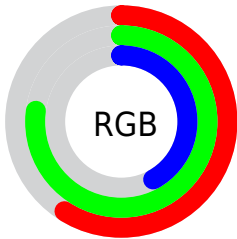
Format	Color
RYB	106, 196, 152
Decimal	9880682
CIELab	74.19, -30.66, 40.20
CIElCh	74, 50.558, 127.337
Yxy	47.0045, 0.3397, 0.4573
Android (android.graphics.Color)	4288070762 (0xFF96C46A)
YUV	171.9860, -32.5311, -19.2817
Hunter-Lab	68.5598, -29.0717, 29.9473

Details

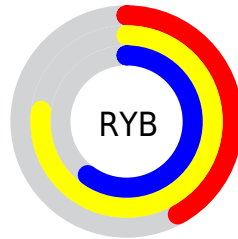
The Yxy color **47.0045, 0.3397, 0.4573** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.9696, 0.2703, 0.2019**, and the grayscale version is **41.4139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8756, 0.3366, 0.4325**, and **22.1729, 0.3426, 0.4960** is the 20% darker color. If you saturate the color by 10%, you get **45.7340, 0.3431, 0.4866**, and if you desaturate by 10%, it is **48.4536, 0.3350, 0.4273**.

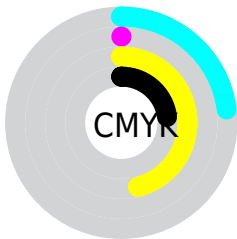
Distribution



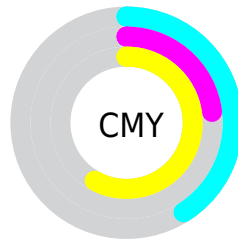
- Red (59%)
- Green (77%)
- Blue (42%)



- Red (42%)
- Yellow (77%)
- Blue (60%)



- Cyan (23%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0045, 0.3397, 0.4573 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 47.0045, 0.3397, 0.4573 by changing the saturation by 10% instead.


 47.0045, 0.3397,
0.4573

 47.0045, 0.3397,
0.4573


374.8325, 0.3289,
0.3905

 33.0392, 0.3413,
0.4744


 85.7203, 0.3366,
0.4326

 22.1565, 0.3425,
0.4965


 111.2397, 0.3351,
0.4234

 13.9719, 0.3426,
0.5257


 141.3792, 0.3338,
0.4157

 8.1011, 0.3399,
0.5656

 176.5232, 0.3327,
0.4092

 4.1597, 0.3407,
0.6430

217.0561, 0.3316,
0.4035

 1.7633, 0.2970,
0.7030

263.3624, 0.3306,

 0.4642, 0.0000,

0.3986

1.0000

315.8264, 0.3297,
0.3943

■ 0.0000, 0.0000,
0.0000

■ 47.0045, 0.3397,
0.4573

■ 47.0045, 0.3397,
0.4573

■ 45.7340, 0.3431,
0.4866

■ 48.4536, 0.3350,
0.4273

■ 44.6275, 0.3447,
0.5136

■ 50.0830, 0.3293,
0.3979

■ 43.6776, 0.3442,
0.5370


■ 51.9019, 0.3230,
0.3697


■ 42.8739, 0.3415,
0.5554

■ 53.9171, 0.3166,
0.3435

■ 42.2033, 0.3369,
0.5681


■ 56.1351, 0.3101,
0.3195

 41.9590, 0.3348,
0.5724

 58.5619, 0.3038,
0.2977

 61.2034, 0.2977,
0.2782

 63.5525, 0.2971,
0.2679

 65.2600, 0.3045,
0.2693

Harmonies

Analogous

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



47.0045, 0.4031, 0.4459



47.0045, 0.3397, 0.4573



47.0045, 0.2726, 0.4208

Triad

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



47.0045, 0.3397, 0.4573



47.0045, 0.1936, 0.2377



47.0045, 0.4112, 0.3006

Complementary

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



47.0045, 0.3397, 0.4573



20.9696, 0.2703, 0.2019

Split Complementary

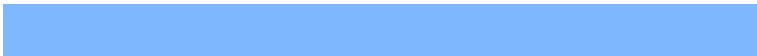
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.0045, 0.3436, 0.2573



47.0045, 0.3397, 0.4573



47.0045, 0.2211, 0.2214

Square

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



47.0045, 0.3397, 0.4573



47.0045, 0.1928, 0.2814



47.0045, 0.2735, 0.2292



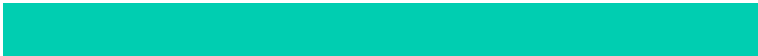
47.0045, 0.4496, 0.3521

Rectangle

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



47.0045, 0.3397, 0.4573



47.0045, 0.2348, 0.3750



47.0045, 0.2735, 0.2292



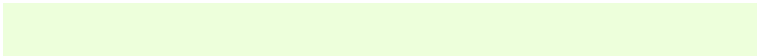
47.0045, 0.3906, 0.2849

Sweetspot

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



47.0066, 0.3397, 0.4573



94.6113, 0.3220, 0.3651



34.9108, 0.4057, 0.3888



20.0869, 0.3234, 0.3711



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.0066, 0.3397, 0.4573



82.8553, 0.3430, 0.4864



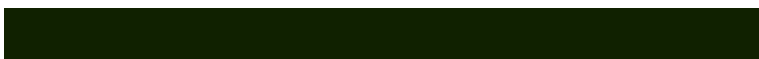
43.5877, 0.3060, 0.4716



11.4950, 0.3188, 0.3523



27.0090, 0.3358, 0.5716



1.2080, 0.3533, 0.5577

Inverse Universe

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



20.9696, 0.2703, 0.2019



29.9210, 0.2581, 0.1735



26.0295, 0.3179, 0.2184



9.9954, 0.3062, 0.3058



4.3609, 0.2056, 0.0906



0.2293, 0.2300, 0.1041

Previews

White Background



This preview shows how the Yxy color 47.0045, 0.3397, 0.4573 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 47.0045, 0.3397, 0.4573 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 47.0045, 0.3397, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 47.0045, 0.3397, 0.4573.



This preview shows how white text looks on a background with the Yxy color 47.0045, 0.3397, 0.4573.

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

47.0045, 0.3397, 0.4573

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

46.6354, 0.4108, 0.4031



Tritanopia

46.7606, 0.2849, 0.3092

Trichromacy



Original Color

47.0045, 0.3397, 0.4573

Protanomaly

46.4650, 0.3738, 0.4396

Deuteranomaly

46.1621, 0.3841, 0.4223

Tritanomaly

46.5193, 0.3055, 0.3610

Monochromacy



Original Color

47.0045, 0.3397, 0.4573

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.0784, 0.3243, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0045, 0.3397, 0.4573 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(150, 196, 106)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 106)  
}
```

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(150, 196, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 106) }
```

Border

The CSS property to change the border of an element to Yxy 47.0045, 0.3397, 0.4573 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(150, 196, 106) }
```

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

```
.border{ border-color:rgb(150, 196, 106) }
```

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

Here you see how a box with a 4 pixel rgb(150, 196, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 106);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0045, 0.3397, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 106) }
```

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

```
.background{ background-color: rgb(150,  
196, 106) }
```

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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