

Converting Colors

$Yxy(38.3422, 0.3100, 0.4111)$

Have a look what the booklet for
Yxy(38.3422, 0.3100, 0.4111)
contains.

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Color

Yxy(38.4396, 0.3105, 0.4115)

Conversions

Conversions Part 1

Format	Color
Hex	81B37F
RGB	129, 179, 127
RGB Percent	51%, 70%, 50%
CMY	0.4941, 0.2980, 0.5020
CMYK	0.28, 0.00, 0.29, 0.30
HSL	118°, 25%, 60%
HSV	118°, 29%, 70%
XYZ	29.0049, 38.4396, 25.9689
YIQ	158.1220, -13.1080, -26.7720

Conversions

Conversions Part 2

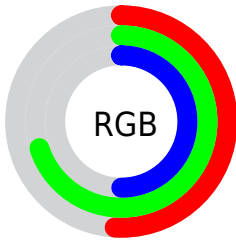
Format	Color
RYB	127, 179, 177
Decimal	8500095
CIELab	68.34, -26.92, 21.39
CIELCh	68, 34.385, 141.534
Yxy	38.4396, 0.3105, 0.4115
Android (android.graphics.Color)	4286690175 (0xFF81B37F)
YUV	158.1220, -15.3431, -25.5400
Hunter-Lab	61.9997, -24.9931, 18.5658

Details

The Yxy color **38.4396, 0.3105, 0.4115** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.7799, 0.3139, 0.2575**, and the grayscale version is **34.3270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7792, 0.3116, 0.3946**, and **17.0772, 0.3085, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **36.7790, 0.3093, 0.4454**, and if you desaturate by 10%, it is **40.4133, 0.3114, 0.3801**.

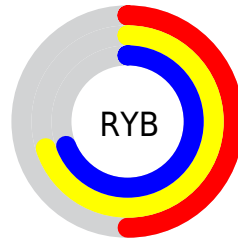
Distribution



Red (51%)

Green (70%)

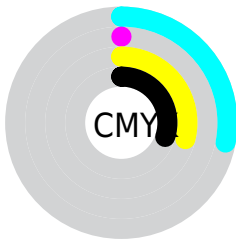
Blue (50%)



Red (50%)

Yellow (70%)

Blue (69%)

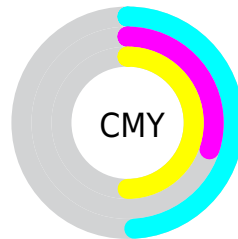


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (30%)



Cyan (49%)


Magenta (30%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4396, 0.3105, 0.4115 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 38.4396, 0.3105, 0.4115 by changing the saturation by 10% instead.


 38.4396, 0.3105,
0.4115


 38.4396, 0.3105,
0.4115


339.5020, 0.3127,
0.3670


 26.3241, 0.3095,
0.4237

 72.7814, 0.3116,
0.3945

 17.0662, 0.3079,
0.4401


 95.7765, 0.3119,
0.3884

 10.2817, 0.3052,
0.4631


 123.1669, 0.3122,
0.3833

 5.5861, 0.2999,
0.4976

155.3369, 0.3123,
0.3791

 2.5951, 0.2898,
0.5567

192.6711, 0.3125,
0.3754

 0.9242, 0.1927,
0.8073

235.5537, 0.3126,

 0.0000, 0.0000,

0.3722

0.0000

284.3692, 0.3126,
0.3695

■ 38.4396, 0.3105,
0.4115

■ 38.4396, 0.3105,
0.4115

■ 36.7790, 0.3093,
0.4454

■ 40.4133, 0.3114,
0.3801

■ 35.4109, 0.3080,
0.4806

■ 42.7099, 0.3122,
0.3518

■ 34.3199, 0.3065,
0.5149

■ 45.3448, 0.3128,
0.3268

■ 33.4869, 0.3048,
0.5461

■ 48.3307, 0.3132,
0.3050

■ 32.8907, 0.3032,
0.5713

■ 51.6801, 0.3135,
0.2862

■ 32.5066, 0.3018,
0.5888

■ 55.4044, 0.3137,
0.2699

■ 32.3000, 0.3009,
0.5985

■ 59.5149, 0.3139,
0.2560

■ 32.2858, 0.3009,
0.5993

■ 60.7212, 0.3162,
0.2546

Harmonies

Analogous

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



38.4396, 0.3605, 0.4216



38.4396, 0.3105, 0.4115



38.4396, 0.2635, 0.3722

Triad

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



38.4396, 0.3105, 0.4115



38.4396, 0.2303, 0.2527



38.4396, 0.4009, 0.3275

Complementary

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



38.4396, 0.3105, 0.4115



27.7799, 0.3139, 0.2575

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.



38.4396, 0.3603, 0.2899



38.4396, 0.3105, 0.4115



38.4396, 0.2613, 0.2481

Square

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



38.4396, 0.3105, 0.4115



38.4396, 0.2198, 0.2774



38.4396, 0.3082, 0.2617



38.4396, 0.4152, 0.3680

Rectangle

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



38.4396, 0.3105, 0.4115



38.4396, 0.2398, 0.3378



38.4396, 0.3082, 0.2617



38.4396, 0.3897, 0.3143

Sweetspot

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



38.4412, 0.3105, 0.4115



76.4457, 0.3122, 0.3520



42.3249, 0.3567, 0.3971



16.7971, 0.3121, 0.3559



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.4412, 0.3105, 0.4115



66.8373, 0.3098, 0.4335



38.9681, 0.2915, 0.3735



9.5052, 0.3122, 0.3525



22.8206, 0.3010, 0.5992



0.7232, 0.3054, 0.5957

Inverse Universe

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



27.7799, 0.3139, 0.2575



44.5521, 0.3140, 0.2416



27.1495, 0.3416, 0.2885



8.6297, 0.3132, 0.3065



8.5114, 0.3114, 0.1489



0.2729, 0.3142, 0.1505

Previews

White Background



This preview shows how the Yxy color 38.4396, 0.3105, 0.4115 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 38.4396, 0.3105, 0.4115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

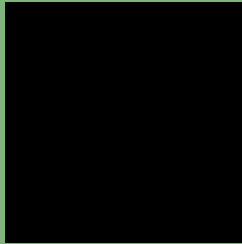
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4396, 0.3105, 0.4115

Background



This preview shows how black text looks on a background with the Yxy color 38.4396, 0.3105, 0.4115.



This preview shows how white text looks on a background with the Yxy color 38.4396, 0.3105, 0.4115.

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

38.4396, 0.3105, 0.4115

Protanopia

38.1179, 0.3649, 0.3924

Deuteranopia

37.9043, 0.3747, 0.3666



Tritanopia

38.4968, 0.2751, 0.3100

Trichromacy



Original Color

38.4396, 0.3105, 0.4115

Protanomaly

38.0295, 0.3434, 0.4002

Deuteranomaly

37.4302, 0.3487, 0.3811

Tritanomaly

38.4912, 0.2875, 0.3456

Monochromacy



Original Color

38.4396, 0.3105, 0.4115

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.5821, 0.3113, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4396, 0.3105, 0.4115 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(129, 179, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 179, 127)  
}
```

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(129, 179, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 179, 127) }
```

Border

The CSS property to change the border of an element to Yxy 38.4396, 0.3105, 0.4115 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(129, 179, 127) }
```

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

```
.border{ border-color:rgb(129, 179, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 179, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 179, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 179, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 179,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4396, 0.3105, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 179, 127) }
```

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

```
.background{ background-color: rgb(129,  
179, 127) }
```

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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