

Converting Colors

$Yxy(48.4065, 0.3079, 0.4042)$

Have a look what the booklet for
Yxy(48.4065, 0.3079, 0.4042)
contains.

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Color

Yxy(48.3928, 0.3077, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	90C692
RGB	144, 198, 146
RGB Percent	56%, 78%, 57%
CMY	0.4353, 0.2235, 0.4274
CMYK	0.27, 0.00, 0.26, 0.22
HSL	122°, 32%, 67%
HSV	122°, 27%, 78%
XYZ	36.8850, 48.3928, 34.5954
YIQ	175.9260, -15.4920, -27.6200

Conversions

Conversions Part 2

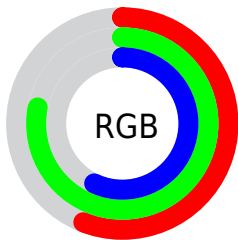
Format	Color
RYB	144, 196, 198
Decimal	9488018
CIELab	75.07, -27.85, 20.55
CIELCh	75, 34.607, 143.579
Yxy	48.3928, 0.3077, 0.4037
Android (android.graphics.Color)	4287678098 (0xFF90C692)
YUV	175.9260, -14.7535, -27.9991
Hunter-Lab	69.5649, -27.0937, 19.2099

Details

The Yxy color **48.3928, 0.3077, 0.4037** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9389, 0.3177, 0.2642**, and the grayscale version is **43.4615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8322, 0.3093, 0.3895**, and **23.0481, 0.3052, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **46.2208, 0.3057, 0.4366**, and if you desaturate by 10%, it is **50.9806, 0.3096, 0.3735**.

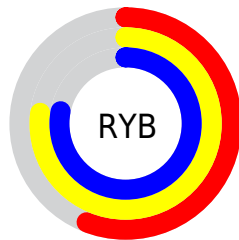
Distribution



Red (56%)

Green (78%)

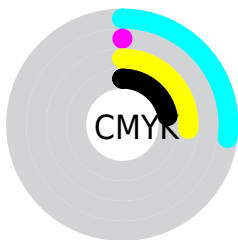
Blue (57%)



Red (56%)

Yellow (77%)

Blue (78%)

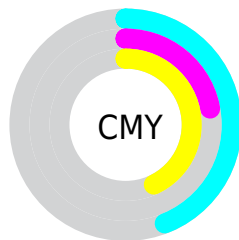


Cyan (27%)

Magenta (0%)

Yellow (26%)

Black (22%)



Cyan (44%)


Magenta (22%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3928, 0.3077, 0.4037 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 48.3928, 0.3077, 0.4037 by changing the saturation by 10% instead.


 48.3928, 0.3077,
0.4037


 48.3928, 0.3077,
0.4037


380.3470, 0.3111,
0.3650

 34.1381, 0.3066,
0.4138


 87.7890, 0.3091,
0.3893

 22.9997, 0.3049,
0.4270


 113.6992, 0.3096,
0.3840

 14.5933, 0.3024,
0.4450


144.2633, 0.3100,
0.3795

 8.5344, 0.2982,
0.4708


179.8658, 0.3103,
0.3758

 4.4388, 0.2905,
0.5107

220.8910, 0.3105,
0.3725

 1.9219, 0.2828,
0.5987

267.7233, 0.3107,

 0.5615, 0.0000,

0.3697

1.0000

320.7472, 0.3109,
0.3672

0.0000, 0.0000,
0.0000

48.3928, 0.3077,
0.4037

48.3928, 0.3077,
0.4037

46.2208, 0.3057,
0.4366

50.9806, 0.3096,
0.3735

44.4370, 0.3038,
0.4712

53.9976, 0.3115,
0.3465

43.0206, 0.3021,
0.5056

57.4643, 0.3132,
0.3229

41.9458, 0.3007,
0.5376

61.3982, 0.3147,
0.3023

41.1838, 0.2998,
0.5646

65.8157, 0.3161,
0.2846

■ 40.7011, 0.2994,
0.5843

■ 68.8695, 0.3153,
0.2732

■ 40.4524, 0.2995,
0.5959

■ 40.4057, 0.2994,
0.5978

Harmonies

Analogous

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



48.3928, 0.3546, 0.4155



48.3928, 0.3077, 0.4037



48.3928, 0.2642, 0.3660

Triad

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



48.3928, 0.3077, 0.4037



48.3928, 0.2369, 0.2567



48.3928, 0.3966, 0.3305

Complementary

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



48.3928, 0.3077, 0.4037



35.9389, 0.3177, 0.2642

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.



48.3928, 0.3603, 0.2946



48.3928, 0.3077, 0.4037



48.3928, 0.2673, 0.2535

Square

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



48.3928, 0.3077, 0.4037



48.3928, 0.2256, 0.2789



48.3928, 0.3120, 0.2672



48.3928, 0.4082, 0.3685

Rectangle

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



48.3928, 0.3077, 0.4037



48.3928, 0.2427, 0.3341



48.3928, 0.3120, 0.2672



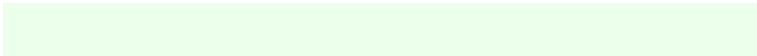
48.3928, 0.3868, 0.3180

Sweetspot

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



48.3948, 0.3077, 0.4037



95.1331, 0.3113, 0.3487



54.1663, 0.3519, 0.3968



20.1791, 0.3110, 0.3526



0.0000, 0.0000, 0.0000



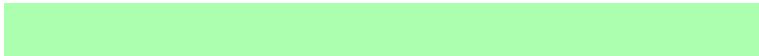
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3948, 0.3077, 0.4037



83.2164, 0.3065, 0.4239



49.3286, 0.2896, 0.3642



11.8942, 0.3111, 0.3520



26.2788, 0.2992, 0.5973



1.2466, 0.2966, 0.5876

Inverse Universe

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



35.9389, 0.3177, 0.2642



57.3491, 0.3190, 0.2495



34.8259, 0.3442, 0.2964



10.8095, 0.3143, 0.3071



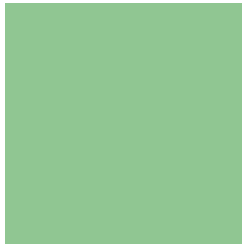
10.2463, 0.3304, 0.1593



0.4873, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 48.3928, 0.3077, 0.4037 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 48.3928, 0.3077, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

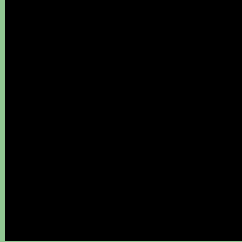
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3928, 0.3077, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 48.3928, 0.3077, 0.4037.



This preview shows how white text looks on a background with the Yxy color 48.3928, 0.3077, 0.4037.

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

48.3928, 0.3077, 0.4037

Protanopia

48.0447, 0.3602, 0.3854

Deuteranopia

47.9424, 0.3697, 0.3620



Tritanopia

48.2033, 0.2754, 0.3091

Trichromacy



Original Color

48.3928, 0.3077, 0.4037

Protanomaly

47.8132, 0.3400, 0.3923

Deuteranomaly

47.6867, 0.3452, 0.3761

Tritanomaly

48.1799, 0.2868, 0.3413

Monochromacy



Original Color

48.3928, 0.3077, 0.4037

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8901, 0.3106, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3928, 0.3077, 0.4037 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(144, 198, 146)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 146)  
}
```

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(144, 198, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 146) }
```

Border

The CSS property to change the border of an element to Yxy 48.3928, 0.3077, 0.4037 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(144, 198, 146) }
```

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

```
.border{ border-color:rgb(144, 198, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 146);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3928, 0.3077, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 146) }
```

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

```
.background{ background-color: rgb(144,  
198, 146) }
```

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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