

Converting Colors

$Y_{xy}(29.3096, 0.2961, 0.4037)$

Have a look what the booklet for
Yxy(29.3096, 0.2961, 0.4037)
contains.

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Color

Yxy(29.3927, 0.2967, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	68A076
RGB	104, 160, 118
RGB Percent	41%, 63%, 46%
CMY	0.5923, 0.3725, 0.5371
CMYK	0.35, 0.00, 0.26, 0.37
HSL	135°, 23%, 52%
HSV	135°, 35%, 63%
XYZ	21.5488, 29.3927, 21.6868
YIQ	138.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

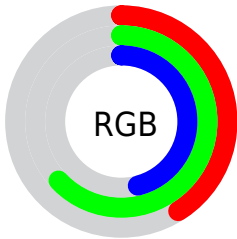
Format	Color
RYB	104, 149, 160
Decimal	6856822
CIELab	61.13, -27.56, 16.18
CIELCh	61, 31.957, 149.588
Yxy	29.3927, 0.2967, 0.4047
Android (android.graphics.Color)	4285046902 (0xFF68A076)
YUV	138.4680, -10.0907, -30.2284
Hunter-Lab	54.2150, -23.9280, 14.2336

Details

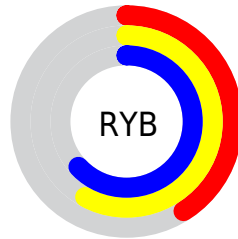
The Yxy color $29.3927, 0.2967, 0.4047$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.4431, 0.3342, 0.2638$, and the grayscale version is $25.6482, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.6713, 0.3009, 0.3883$, and $11.9391, 0.2903, 0.4355$ is the 20% darker color. If you saturate the color by 10%, you get $28.2586, 0.2929, 0.4311$, and if you desaturate by 10%, it is $30.7471, 0.3010, 0.3802$.

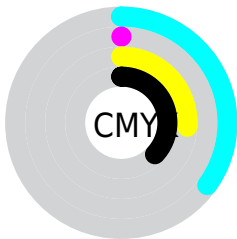
Distribution



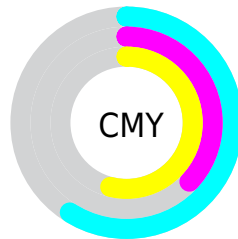
- Red (41%)
- Green (63%)
- Blue (46%)



- Red (41%)
- Yellow (58%)
- Blue (63%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (37%)




- Cyan (59%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3927, 0.2967, 0.4047 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 29.3927, 0.2967, 0.4047 by changing the saturation by 10% instead.


 29.3927, 0.2967,
0.4047

 29.3927, 0.2967,
0.4047


299.0633, 0.3062,
0.3622

 19.3781, 0.2937,
0.4172


 58.7004, 0.3006,
0.3880


 11.9438, 0.2893,
0.4345


 78.7623, 0.3019,
0.3821

 6.7054, 0.2824,
0.4602


 102.9421, 0.3030,
0.3773

 3.2786, 0.2704,
0.5016

 131.6242, 0.3039,
0.3732

 1.2788, 0.2506,
0.6436

165.1930, 0.3046,
0.3698

 0.1247, 0.0000,
1.0000

204.0328, 0.3052,

 0.0000, 0.0000,

0.3669

0.0000

248.5282, 0.3058,
0.3644

■ 29.3927, 0.2967,
0.4047

■ 29.3927, 0.2967,
0.4047

■ 28.2586, 0.2929,
0.4311

■ 30.7471, 0.3010,
0.3802

■ 27.3296, 0.2899,
0.4588

■ 32.3289, 0.3057,
0.3580

■ 26.5940, 0.2879,
0.4869


■ 34.1495, 0.3104,
0.3381


■ 26.0375, 0.2873,
0.5140

■ 36.2181, 0.3150,
0.3205

■ 25.6441, 0.2881,
0.5387

■ 38.5439, 0.3195,
0.3051


 25.3933, 0.2902,
0.5598

 41.1353, 0.3239,
0.2917

 25.2979, 0.2913,
0.5688

 44.0003, 0.3279,
0.2800

 47.1468, 0.3318,
0.2698

 50.5820, 0.3354,
0.2610

Harmonies

Analogous

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



29.3927, 0.3480, 0.4237



29.3927, 0.2967, 0.4047



29.3927, 0.2520, 0.3591

Triad

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



29.3927, 0.2967, 0.4047



29.3927, 0.2356, 0.2484



29.3927, 0.4093, 0.3384

Complementary

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



29.3927, 0.2967, 0.4047



19.4431, 0.3342, 0.2638

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.



29.3927, 0.3741, 0.2988



29.3927, 0.2967, 0.4047



29.3927, 0.2720, 0.2490

Square

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



29.3927, 0.2967, 0.4047



29.3927, 0.2192, 0.2678



29.3927, 0.3224, 0.2671



29.3927, 0.4154, 0.3790

Rectangle

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



29.3927, 0.2967, 0.4047



29.3927, 0.2315, 0.3238



29.3927, 0.3224, 0.2671



29.3927, 0.4004, 0.3248

Sweetspot

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



29.3939, 0.2967, 0.4047



59.9015, 0.3074, 0.3501



32.2534, 0.3493, 0.4185



13.0485, 0.3069, 0.3527



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.3939, 0.2967, 0.4047



51.7278, 0.2937, 0.4251



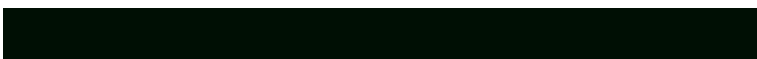
30.1604, 0.2748, 0.3531



7.4270, 0.3084, 0.3462



19.7113, 0.2909, 0.5673



0.3586, 0.2709, 0.4954

Inverse Universe

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



19.4431, 0.3342, 0.2638



30.9029, 0.3405, 0.2495



18.6770, 0.3728, 0.3065



6.7261, 0.3174, 0.3124



6.8827, 0.3948, 0.1948



0.1293, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 29.3927, 0.2967, 0.4047 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3927, 0.2967, 0.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

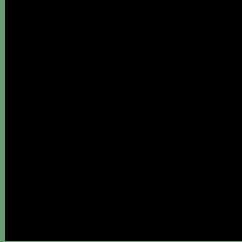
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3927, 0.2967, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 29.3927, 0.2967, 0.4047.



This preview shows how white text looks on a background with the Yxy color 29.3927, 0.2967, 0.4047.

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

29.3927, 0.2967, 0.4047

Protanopia

29.2054, 0.3587, 0.3843

Deuteranopia

29.0009, 0.3653, 0.3577



Tritanopia

29.4418, 0.2665, 0.3091

Trichromacy



Original Color

29.3927, 0.2967, 0.4047

Protanomaly

29.0747, 0.3342, 0.3926

Deuteranomaly

28.6713, 0.3371, 0.3732

Tritanomaly

29.2619, 0.2766, 0.3409

Monochromacy



Original Color

29.3927, 0.2967, 0.4047

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6321, 0.3063, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3927, 0.2967, 0.4047 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(104, 160, 118)` looks like.

```
.text, #text, p{  
    color:rgb(104, 160, 118)  
}
```

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(104, 160, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 160, 118) }
```

Border

The CSS property to change the border of an element to Yxy 29.3927, 0.2967, 0.4047 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(104, 160, 118) }
```

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

```
.border{ border-color:rgb(104, 160, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 160, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 160, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 160, 118);  
box-shadow:4px 4px 4px 4px rgb(104, 160,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3927, 0.2967, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 160, 118) }
```

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

```
.background{ background-color: rgb(104,  
160, 118) }
```

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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