

Converting Colors

$Y_{xy}(27.8651, 0.3064, 0.4151)$

Have a look what the booklet for
Yxy(27.8651, 0.3064, 0.4151)
contains.

| | |
|---|----|
| Yxy(27.9452, 0.3059, 0.4151) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

$Y_{xy}(27.9452, 0.3059, 0.4151)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6A9C6D |
| RGB | 106, 156, 109 |
| RGB Percent | 42%, 61%, 43% |
| CMY | 0.5843, 0.3882, 0.5725 |
| CMYK | 0.32, 0.00, 0.30, 0.39 |
| HSL | 124°, 20%, 51% |
| HSV | 124°, 32%, 61% |
| XYZ | 20.5937, 27.9452, 18.7827 |
| YIQ | 135.6920, -14.7130, -25.2170 |

Conversions

Conversions Part 2

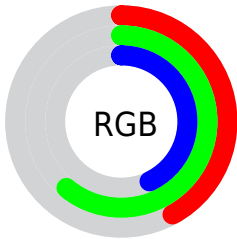
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 106, 153, 156 |
| Decimal | 6986861 |
| CIELab | 59.84, -26.58, 19.42 |
| CIELCh | 60, 32.923, 143.847 |
| Yxy | 27.9452, 0.3059, 0.4151 |
| Android (android.graphics.Color) | 4285176941 (0xFF6A9C6D) |
| YUV | 135.6920, -13.1592, -26.0399 |
| Hunter-Lab | 52.8632, -22.9732, 15.9380 |

Details

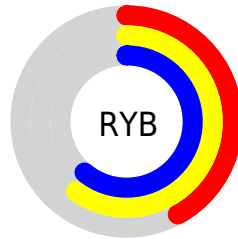
The Yxy color $27.9452, 0.3059, 0.4151$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.6758, 0.3200, 0.2558$, and the grayscale version is $24.5548, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.5327, 0.3082, 0.3957$, and $11.0783, 0.3010, 0.4492$ is the 20% darker color. If you saturate the color by 10%, you get $26.7861, 0.3038, 0.4475$, and if you desaturate by 10%, it is $29.3332, 0.3081, 0.3850$.

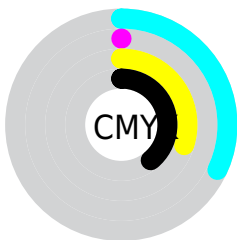
Distribution



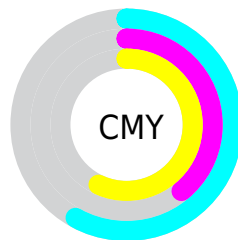
- Red (42%)
- Green (61%)
- Blue (43%)



- Red (42%)
- Yellow (60%)
- Blue (61%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (39%)





- Cyan (58%)
- Magenta (39%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9452, 0.3059, 0.4151 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 27.9452, 0.3059, 0.4151 by changing the saturation by 10% instead.


 27.9452, 0.3059,
0.4151

 27.9452, 0.3059,
0.4151


292.2050, 0.3107,
0.3663

 18.2844, 0.3040,
0.4296


 56.3969, 0.3081,
0.3958

 11.1543, 0.3010,
0.4499


 75.9566, 0.3088,
0.3890

 6.1707, 0.2957,
0.4800

 99.5847, 0.3093,
0.3835

 2.9492, 0.2853,
0.5290

 127.6656, 0.3097,
0.3789

 1.1053, 0.2590,
0.7410

160.5837, 0.3101,
0.3750

 0.0000, 0.0000,
0.0000

198.7233, 0.3103,

0.3717

242.4690, 0.3106,
0.3688

■ 27.9452, 0.3059,
0.4151

■ 27.9452, 0.3059,
0.4151

■ 26.7861, 0.3038,
0.4475

■ 29.3332, 0.3081,
0.3850

■ 25.8402, 0.3018,
0.4810

■ 30.9577, 0.3103,
0.3577

■ 25.0957, 0.3002,
0.5139


■ 32.8303, 0.3123,
0.3336


■ 24.5378, 0.2991,
0.5438


■ 34.9608, 0.3142,
0.3125


■ 24.1501, 0.2986,
0.5686


■ 37.3584, 0.3160,
0.2941

 23.9130, 0.2987,
0.5864

 40.0320, 0.3176,
0.2783

 23.7981, 0.2987,
0.5953

 42.9899, 0.3190,
0.2647

 46.2402, 0.3203,
0.2530

 49.7907, 0.3215,
0.2429

Harmonies

Analogous

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



27.9452, 0.3592, 0.4282



27.9452, 0.3059, 0.4151



27.9452, 0.2569, 0.3710

Triad

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



27.9452, 0.3059, 0.4151



27.9452, 0.2273, 0.2470



27.9452, 0.4090, 0.3304

Complementary

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



27.9452, 0.3059, 0.4151



19.6758, 0.3200, 0.2558

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.



27.9452, 0.3674, 0.2903



27.9452, 0.3059, 0.4151



27.9452, 0.2614, 0.2440

Square

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



27.9452, 0.3059, 0.4151



27.9452, 0.2145, 0.2711



27.9452, 0.3120, 0.2596



27.9452, 0.4216, 0.3730

Rectangle

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



27.9452, 0.3059, 0.4151



27.9452, 0.2330, 0.3338



27.9452, 0.3120, 0.2596



27.9452, 0.3978, 0.3163

Sweetspot

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



27.9464, 0.3059, 0.4151



56.8225, 0.3106, 0.3530



31.6393, 0.3570, 0.4075



12.4111, 0.3104, 0.3563



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.9464, 0.3059, 0.4151



49.3011, 0.3044, 0.4366



28.5491, 0.2857, 0.3690



7.4072, 0.3108, 0.3507



19.6038, 0.2986, 0.5948



0.3522, 0.2918, 0.5705

Inverse Universe

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



19.6758, 0.3200, 0.2558



32.0203, 0.3217, 0.2409



18.9483, 0.3518, 0.2924



6.7477, 0.3146, 0.3083



7.5478, 0.3363, 0.1626



0.1368, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 27.9452, 0.3059, 0.4151 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 27.9452, 0.3059, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

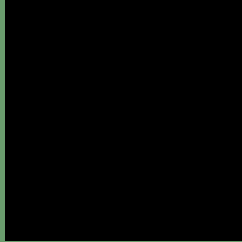
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9452, 0.3059, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 27.9452, 0.3059, 0.4151.



This preview shows how white text looks on a background with the Yxy color 27.9452, 0.3059, 0.4151.

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

27.9452, 0.3059, 0.4151

Protanopia

27.6130, 0.3664, 0.3916

Deuteranopia

27.6940, 0.3743, 0.3673



Tritanopia

27.7811, 0.2710, 0.3088

Trichromacy



Original Color

27.9452, 0.3059, 0.4151

Protanomaly

27.5388, 0.3419, 0.4005

Deuteranomaly

27.4404, 0.3459, 0.3838

Tritanomaly

27.8542, 0.2834, 0.3464

Monochromacy



Original Color

27.9452, 0.3059, 0.4151

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5113, 0.3103, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9452, 0.3059, 0.4151 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(106, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(106, 156, 109)  
}
```

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(106, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 156, 109) }
```

Border

The CSS property to change the border of an element to Yxy 27.9452, 0.3059, 0.4151 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(106, 156, 109) }
```

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

```
.border{ border-color:rgb(106, 156, 109) }
```

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

Here you see how a box with a 4 pixel rgb(106, 156, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 156, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 156, 109);  
box-shadow:4px 4px 4px 4px rgb(106, 156,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9452, 0.3059, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 156, 109) }
```

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

```
.background{ background-color: rgb(106,  
156, 109) }
```

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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