

Converting Colors

$Y_{xy}(28.4509, 0.3053, 0.4096)$

Have a look what the booklet for
Yxy(28.4509, 0.3053, 0.4096)
contains.

| | |
|--|----|
| Yxy(28.4719, 0.3052, 0.4106) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(28.4719, 0.3052, 0.4106)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 6C9D70 |
| RGB | 108, 157, 112 |
| RGB Percent | 42%, 62%, 44% |
| CMY | 0.5766, 0.3843, 0.5608 |
| CMYK | 0.31, 0.00, 0.29, 0.38 |
| HSL | 125°, 20%, 52% |
| HSV | 125°, 31%, 62% |
| XYZ | 21.1632, 28.4719, 19.7070 |
| YIQ | 137.2190, -14.7590, -24.3830 |

Conversions

Conversions Part 2

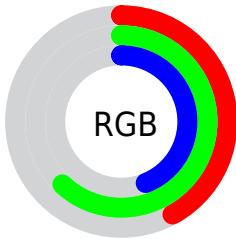
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 108, 153, 157 |
| Decimal | 7118192 |
| CIELab | 60.31, -25.88, 18.44 |
| CIElCh | 60, 31.780, 144.528 |
| Yxy | 28.4719, 0.3052, 0.4106 |
| Android (android.graphics.Color) | 4285308272 (0xFF6C9D70) |
| YUV | 137.2190, -12.4330, -25.6251 |
| Hunter-Lab | 53.3591, -22.5818, 15.4538 |

Details

The Yxy color $28.4719, 0.3052, 0.4106$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.1884, 0.3211, 0.2591$, and the grayscale version is $25.1539, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3444, 0.3076, 0.3925$, and $11.3729, 0.3001, 0.4419$ is the 20% darker color. If you saturate the color by 10%, you get $27.2802, 0.3028, 0.4422$, and if you desaturate by 10%, it is $29.8947, 0.3077, 0.3814$.

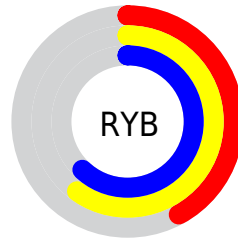
Distribution



Red (42%)

Green (62%)

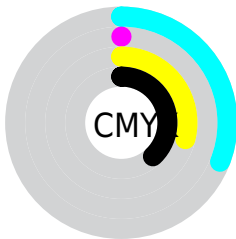
Blue (44%)



Red (42%)

Yellow (60%)

Blue (62%)

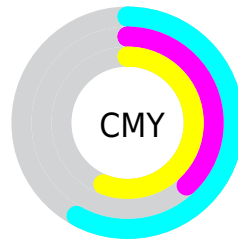


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (38%)



Cyan (58%)


Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4719, 0.3052, 0.4106 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 28.4719, 0.3052, 0.4106 by changing the saturation by 10% instead.


 28.4719, 0.3052,
0.4106


 28.4719, 0.3052,
0.4106


294.7150, 0.3103,
0.3645


 18.6817, 0.3033,
0.4242


 57.2370, 0.3075,
0.3924


 11.4405, 0.3003,
0.4432


 76.9806, 0.3082,
0.3860

 6.3639, 0.2953,
0.4713


 100.8109, 0.3087,
0.3808

 3.0676, 0.2856,
0.5168

 129.1121, 0.3092,
0.3765

 1.1671, 0.2797,
0.7203

162.2688, 0.3095,
0.3728

 0.0346, 0.0000,
1.0000

200.6652, 0.3098,

 0.0000, 0.0000,

0.3697

0.0000

244.6858, 0.3101,
0.3669

■ 28.4719, 0.3052,
0.4106

■ 28.4719, 0.3052,
0.4106

■ 27.2802, 0.3028,
0.4422

■ 29.8947, 0.3077,
0.3814

■ 26.3040, 0.3007,
0.4750

■ 31.5561, 0.3101,
0.3550

■ 25.5315, 0.2990,
0.5076


■ 33.4676, 0.3124,
0.3317


■ 24.9481, 0.2980,
0.5378

■ 35.6389, 0.3146,
0.3112

■ 24.5376, 0.2976,
0.5634


■ 38.0794, 0.3167,
0.2935


 24.2807, 0.2979,
0.5826

 40.7979, 0.3186,
0.2782

 24.1455, 0.2982,
0.5936

 43.8025, 0.3203,
0.2650

 47.1016, 0.3218,
0.2536

 50.7026, 0.3232,
0.2438

Harmonies

Analogous

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



28.4719, 0.3565, 0.4241



28.4719, 0.3052, 0.4106



28.4719, 0.2583, 0.3680

Triad

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



28.4719, 0.3052, 0.4106



28.4719, 0.2310, 0.2498



28.4719, 0.4057, 0.3315

Complementary

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



28.4719, 0.3052, 0.4106



20.1884, 0.3211, 0.2591

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.



28.4719, 0.3663, 0.2926



28.4719, 0.3052, 0.4106



28.4719, 0.2644, 0.2472

Square

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



28.4719, 0.3052, 0.4106



28.4719, 0.2181, 0.2728



28.4719, 0.3134, 0.2627



28.4719, 0.4171, 0.3726

Rectangle

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



28.4719, 0.3052, 0.4106



28.4719, 0.2354, 0.3326



28.4719, 0.3134, 0.2627



28.4719, 0.3951, 0.3179

Sweetspot

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



28.4731, 0.3052, 0.4106



57.1739, 0.3106, 0.3500



32.0435, 0.3551, 0.4058



12.4832, 0.3103, 0.3533



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.



28.4731, 0.3052, 0.4106



49.5563, 0.3037, 0.4309



29.0742, 0.2856, 0.3664



7.4094, 0.3106, 0.3502



19.6107, 0.2980, 0.5930



0.3529, 0.2891, 0.5607

Inverse Universe

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



20.1884, 0.3211, 0.2591



32.4804, 0.3231, 0.2448



19.4797, 0.3516, 0.2947



6.7452, 0.3149, 0.3087



7.4632, 0.3422, 0.1659



0.1359, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 28.4719, 0.3052, 0.4106 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 28.4719, 0.3052, 0.4106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

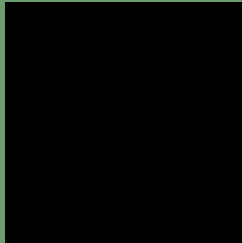
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4719, 0.3052, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 28.4719, 0.3052, 0.4106.



This preview shows how white text looks on a background with the Yxy color 28.4719, 0.3052, 0.4106.

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

28.4719, 0.3052, 0.4106

Protanopia

28.2600, 0.3634, 0.3913

Deuteranopia

28.1612, 0.3716, 0.3641



Tritanopia

28.2389, 0.2705, 0.3073

Trichromacy



Original Color

28.4719, 0.3052, 0.4106

Protanomaly

27.9809, 0.3408, 0.3983

Deuteranomaly

27.9986, 0.3448, 0.3800

Tritanomaly

28.3735, 0.2837, 0.3445

Monochromacy



Original Color

28.4719, 0.3052, 0.4106

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.9407, 0.3093, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4719, 0.3052, 0.4106 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(108, 157, 112)` looks like.

```
.text, #text, p{  
    color:rgb(108, 157, 112)  
}
```

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(108, 157, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 157, 112) }
```

Border

The CSS property to change the border of an element to Yxy 28.4719, 0.3052, 0.4106 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(108, 157, 112) }
```

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

```
.border{ border-color:rgb(108, 157, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 157, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 157, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 157, 112);  
box-shadow:4px 4px 4px 4px rgb(108, 157,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4719, 0.3052, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 157, 112) }
```

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

```
.background{ background-color: rgb(108,  
157, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor