

Converting Colors

$Y_{xy}(28.0516, 0.2862, 0.4096)$

Have a look what the booklet for
Yxy(28.0516, 0.2862, 0.4096)
contains.

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Color

Yxy(28.1811, 0.2860, 0.4097)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 599F74 |
| RGB | 89, 159, 116 |
| RGB Percent | 35%, 62%, 45% |
| CMY | 0.6509, 0.3765, 0.5450 |
| CMYK | 0.44, 0.00, 0.27, 0.38 |
| HSL | 143°, 28%, 49% |
| HSV | 143°, 44%, 62% |
| XYZ | 19.6724, 28.1811, 20.9312 |
| YIQ | 133.1680, -27.9170, -28.2130 |

Conversions

Conversions Part 2

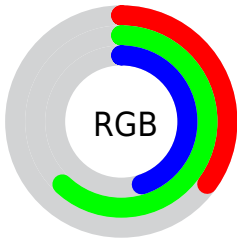
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 89, 140, 159 |
| Decimal | 5873524 |
| CIELab | 60.05, -32.05, 15.70 |
| CIElCh | 60, 35.686, 153.904 |
| Yxy | 28.1811, 0.2860, 0.4097 |
| Android (android.graphics.Color) | 4284063604 (0xFF599F74) |
| YUV | 133.1680, -8.4638, -38.7353 |
| Hunter-Lab | 53.0859, -26.7522, 13.7827 |

Details

The Yxy color $28.1811, 0.2860, 0.4097$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.1846, 0.3554, 0.2610$, and the grayscale version is $23.5614, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6711, 0.2921, 0.3917$, and $11.3078, 0.2744, 0.4414$ is the 20% darker color. If you saturate the color by 10%, you get $27.2631, 0.2818, 0.4323$, and if you desaturate by 10%, it is $29.2952, 0.2912, 0.3884$.

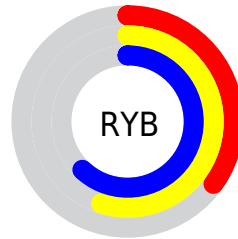
Distribution



Red (35%)

Green (62%)

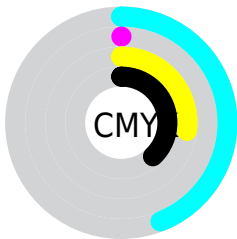
Blue (45%)



Red (35%)

Yellow (55%)

Blue (62%)

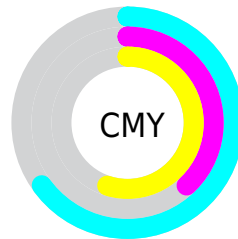


Cyan (44%)

Magenta (0%)

Yellow (27%)

Black (38%)



Cyan (65%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1811, 0.2860, 0.4097 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 28.1811, 0.2860, 0.4097 by changing the saturation by 10% instead.

 28.1811, 0.2860,
0.4097


 28.1811, 0.2860,
0.4097


293.3313, 0.3015,
0.3639


 18.4622, 0.2812,
0.4234


 56.7734, 0.2922,
0.3915


 11.2823, 0.2744,
0.4425


 76.4157, 0.2944,
0.3852

 6.2571, 0.2640,
0.4711


 100.1345, 0.2961,
0.3800

 3.0020, 0.2463,
0.5181

 128.3144, 0.2976,
0.3757

 1.1328, 0.1809,
0.7441

161.3395, 0.2988,
0.3721

 0.0058, 0.0000,
1.0000

199.5945, 0.2998,

 0.0000, 0.0000,

0.3690

0.0000

243.4636, 0.3007,
0.3663

■ 28.1811, 0.2860,
0.4097

■ 28.1811, 0.2860,
0.4097

■ 27.2631, 0.2818,
0.4323

■ 29.2952, 0.2912,
0.3884

■ 26.5259, 0.2789,
0.4557

■ 30.6127, 0.2972,
0.3688

■ 25.9577, 0.2776,
0.4792


■ 32.1448, 0.3035,
0.3509


■ 25.5434, 0.2780,
0.5019


■ 33.9006, 0.3101,
0.3349

■ 25.2651, 0.2802,
0.5230


■ 35.8889, 0.3166,
0.3207

 25.1368, 0.2819,
0.5348

 38.1180, 0.3231,
0.3082

 40.5958, 0.3294,
0.2972

 43.3296, 0.3354,
0.2875

 46.3268, 0.3411,
0.2792

Harmonies

Analogous

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



28.1811, 0.3435, 0.4362



28.1811, 0.2860, 0.4097



28.1811, 0.2384, 0.3541

Triad

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



28.1811, 0.2860, 0.4097



28.1811, 0.2308, 0.2375



28.1811, 0.4254, 0.3452

Complementary

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



28.1811, 0.2860, 0.4097



16.1846, 0.3554, 0.2610

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.



28.1811, 0.3895, 0.3008



28.1811, 0.2860, 0.4097



28.1811, 0.2740, 0.2415

Square

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



28.1811, 0.2860, 0.4097



28.1811, 0.2094, 0.2552



28.1811, 0.3321, 0.2641



28.1811, 0.4266, 0.3901

Rectangle

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



28.1811, 0.2860, 0.4097



28.1811, 0.2179, 0.3140



28.1811, 0.3321, 0.2641



28.1811, 0.4169, 0.3300

Sweetspot

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



28.1823, 0.2860, 0.4097



57.7953, 0.3040, 0.3496



30.4372, 0.3479, 0.4459



12.8909, 0.3027, 0.3532



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.



28.1823, 0.2860, 0.4097



48.8269, 0.2818, 0.4323



29.1499, 0.2602, 0.3433



7.4413, 0.3066, 0.3431



19.8617, 0.2814, 0.5331



0.3631, 0.2595, 0.4543

Inverse Universe

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



16.1846, 0.3554, 0.2610



24.4562, 0.3694, 0.2467



15.3852, 0.4115, 0.3160



6.7112, 0.3193, 0.3154



6.5215, 0.4451, 0.2226



0.1247, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 28.1811, 0.2860, 0.4097 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 28.1811, 0.2860, 0.4097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

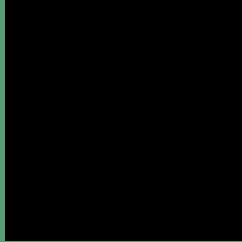
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1811, 0.2860, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 28.1811, 0.2860, 0.4097.



This preview shows how white text looks on a background with the Yxy color 28.1811, 0.2860, 0.4097.

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

28.1811, 0.2860, 0.4097

Protanopia

27.9207, 0.3596, 0.3853

Deuteranopia

27.6400, 0.3641, 0.3568



Tritanopia

28.2658, 0.2570, 0.3085

Trichromacy



Original Color

28.1811, 0.2860, 0.4097

Protanomaly

27.4106, 0.3282, 0.3932

Deuteranomaly

27.2930, 0.3308, 0.3747

Tritanomaly

28.0907, 0.2677, 0.3431

Monochromacy



Original Color

28.1811, 0.2860, 0.4097

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.6602, 0.3010, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1811, 0.2860, 0.4097 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(89, 159, 116)` looks like.

```
.text, #text, p{  
    color:rgb(89, 159, 116)  
}
```

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(89, 159, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 159, 116) }
```

Border

The CSS property to change the border of an element to Yxy 28.1811, 0.2860, 0.4097 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(89, 159, 116) }
```

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

```
.border{ border-color:rgb(89, 159, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 159, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 159, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 159, 116);  
box-shadow:4px 4px 4px 4px rgb(89, 159,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1811, 0.2860, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 159, 116) }
```

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

```
.background{ background-color: rgb(89, 159,  
116) }
```

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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