

Converting Colors

$Y_{xy}(28.5535, 0.2842, 0.4060)$

Have a look what the booklet for
Yxy(28.5535, 0.2842, 0.4060)
contains.

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Color

Yxy(28.5974, 0.2838, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	59A077
RGB	89, 160, 119
RGB Percent	35%, 63%, 47%
CMY	0.6511, 0.3725, 0.5332
CMYK	0.44, 0.00, 0.26, 0.37
HSL	145°, 29%, 49%
HSV	145°, 44%, 63%
XYZ	20.0196, 28.5974, 21.9242
YIQ	134.0970, -29.1550, -27.8030

Conversions

Conversions Part 2

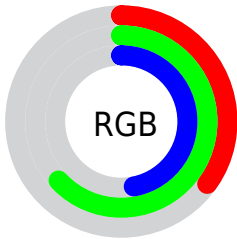
Format	Color
R_{YB}	89, 139, 160
Decimal	5873783
CIE _{Lab}	60.42, -31.92, 14.54
CIE _{LCh}	60, 35.081, 155.510
Yxy	28.5974, 0.2838, 0.4054
Android (android.graphics.Color)	4284063863 (0xFF59A077)
YUV	134.0970, -7.4428, -39.5501
Hunter-Lab	53.4765, -26.7603, 13.1260

Details

The Yxy color **28.5974, 0.2838, 0.4054** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2254, 0.3599, 0.2643**, and the grayscale version is **23.9126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2919, 0.2904, 0.3886**, and **11.5246, 0.2720, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **27.6802, 0.2793, 0.4266**, and if you desaturate by 10%, it is **29.7105, 0.2894, 0.3854**.

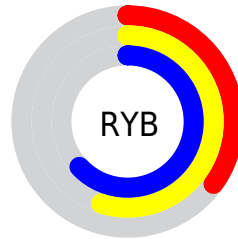
Distribution



Red (35%)

Green (63%)

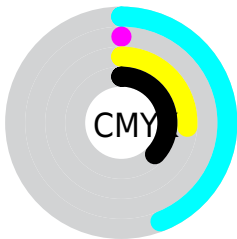
Blue (47%)



Red (35%)

Yellow (55%)

Blue (63%)

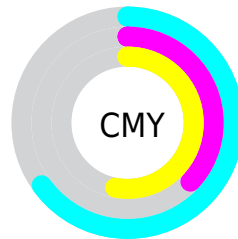


Cyan (44%)

Magenta (0%)

Yellow (26%)

Black (37%)



Cyan (65%)

Magenta (37%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5974, 0.2838, 0.4054 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 28.5974, 0.2838, 0.4054 by changing the saturation by 10% instead.


 28.5974, 0.2838,
0.4054


 28.5974, 0.2838,
0.4054


295.3106, 0.3003,
0.3622


 18.7765, 0.2788,
0.4182


 57.4368, 0.2904,
0.3883

 11.5089, 0.2718,
0.4361


 77.2241, 0.2927,
0.3823

 6.4102, 0.2611,
0.4628


 101.1023, 0.2946,
0.3775

 3.0961, 0.2434,
0.5064

 129.4558, 0.2961,
0.3734

 1.1821, 0.1826,
0.6795

162.6689, 0.2974,
0.3700

 0.0470, 0.0000,
1.0000

201.1262, 0.2985,

 0.0000, 0.0000,

0.3670

0.0000

245.2120, 0.2995,
0.3645

■ 28.5974, 0.2838,
0.4054

■ 28.5974, 0.2838,
0.4054

■ 27.6802, 0.2793,
0.4266

■ 29.7105, 0.2894,
0.3854

■ 26.9435, 0.2762,
0.4487

■ 31.0269, 0.2957,
0.3670

■ 26.3753, 0.2747,
0.4709


■ 32.5577, 0.3025,
0.3502


■ 25.9605, 0.2751,
0.4925


■ 34.3122, 0.3096,
0.3351

■ 25.6806, 0.2773,
0.5129


■ 36.2993, 0.3167,
0.3217

 25.5570, 0.2788,
0.5237

 38.5273, 0.3237,
0.3098

 41.0040, 0.3305,
0.2994

 43.7369, 0.3371,
0.2903

 46.7333, 0.3434,
0.2823

Harmonies

Analogous

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



28.5974, 0.3400, 0.4333



28.5974, 0.2838, 0.4054



28.5974, 0.2380, 0.3504

Triad

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



28.5974, 0.2838, 0.4054



28.5974, 0.2342, 0.2390



28.5974, 0.4239, 0.3475

Complementary

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



28.5974, 0.2838, 0.4054



16.2254, 0.3599, 0.2643

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.



28.5974, 0.3905, 0.3036



28.5974, 0.2838, 0.4054



28.5974, 0.2776, 0.2439

Square

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



28.5974, 0.2838, 0.4054



28.5974, 0.2119, 0.2553



28.5974, 0.3350, 0.2670



28.5974, 0.4234, 0.3913

Rectangle

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



28.5974, 0.2838, 0.4054



28.5974, 0.2187, 0.3115



28.5974, 0.3350, 0.2670



28.5974, 0.4162, 0.3325

Sweetspot

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



28.5986, 0.2838, 0.4054



59.4538, 0.3033, 0.3484



30.6426, 0.3457, 0.4480



12.9021, 0.3019, 0.3517



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.



28.5986, 0.2838, 0.4054



50.3113, 0.2794, 0.4258



29.6021, 0.2582, 0.3392



7.4453, 0.3062, 0.3422



19.9155, 0.2783, 0.5220



0.3644, 0.2568, 0.4443

Inverse Universe

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



16.2254, 0.3599, 0.2643



24.9736, 0.3749, 0.2513



15.4391, 0.4169, 0.3197



6.7071, 0.3199, 0.3162



6.4370, 0.4600, 0.2308



0.1234, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 28.5974, 0.2838, 0.4054 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 28.5974, 0.2838, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

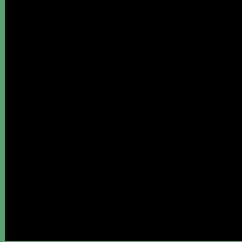
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5974, 0.2838, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 28.5974, 0.2838, 0.4054.



This preview shows how white text looks on a background with the Yxy color 28.5974, 0.2838, 0.4054.

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

28.5974, 0.2838, 0.4054

Protanopia

28.3892, 0.3573, 0.3818

Deuteranopia

28.1108, 0.3615, 0.3536



Tritanopia

28.5737, 0.2558, 0.3085

Trichromacy



Original Color

28.5974, 0.2838, 0.4054

Protanomaly

27.8758, 0.3262, 0.3893

Deuteranomaly

27.7615, 0.3287, 0.3710

Tritanomaly

28.4337, 0.2657, 0.3412

Monochromacy



Original Color

28.5974, 0.2838, 0.4054

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0815, 0.3001, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5974, 0.2838, 0.4054 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, 160, 119)` looks like.

```
.text, #text, p{  
    color:rgb(89, 160, 119)  
}
```

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, 160, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 160, 119) }
```

Border

The CSS property to change the border of an element to Yxy 28.5974, 0.2838, 0.4054 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, 160, 119) }
```

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

```
.border{ border-color:rgb(89, 160, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 160, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 160, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 160, 119);  
box-shadow:4px 4px 4px 4px rgb(89, 160,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5974, 0.2838, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 160, 119) }
```

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

```
.background{ background-color: rgb(89, 160,  
119) }
```

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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