

Converting Colors

$Y_{xy}(28.5325, 0.3010, 0.4611)$

Have a look what the booklet for
Yxy(28.5325, 0.3010, 0.4611)
contains.

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Color

Yxy(28.5447, 0.3010, 0.4619)

Conversions

Conversions Part 1

Format	Color
Hex	55A25C
RGB	85, 162, 92
RGB Percent	33%, 64%, 36%
CMY	0.6665, 0.3647, 0.6392
CMYK	0.48, 0.00, 0.43, 0.36
HSL	125°, 31%, 48%
HSV	125°, 48%, 64%
XYZ	18.6013, 28.5447, 14.6524
YIQ	130.9970, -23.4220, -38.0940

Conversions

Conversions Part 2

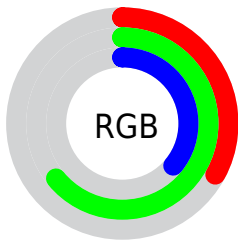
Format	Color
R_{YB}	85, 156, 162
Decimal	5612124
CIE _{Lab}	60.38, -38.92, 29.20
CIE _{LCh}	60, 48.654, 143.124
Y _{xy}	28.5447, 0.3010, 0.4619
Android (android.graphics.Color)	4283802204 (0xFF55A25C)
YUV	130.9970, -19.2255, -40.3394
Hunter-Lab	53.4272, -31.3508, 21.1388

Details

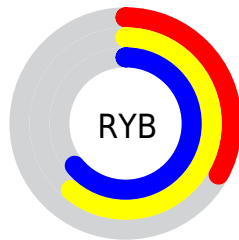
The Yxy color **28.5447, 0.3010, 0.4619** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5541, 0.3271, 0.2250**, and the grayscale version is **22.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0978, 0.3053, 0.4313**, and **11.5806, 0.2911, 0.5178** is the 20% darker color. If you saturate the color by 10%, you get **27.6389, 0.2991, 0.4947**, and if you desaturate by 10%, it is **29.6767, 0.3033, 0.4295**.

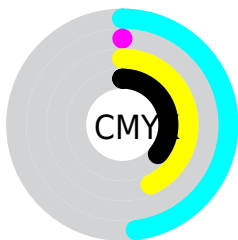
Distribution



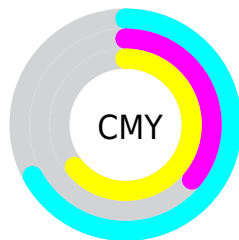
- Red (33%)
- Green (64%)
- Blue (36%)



- Red (33%)
- Yellow (61%)
- Blue (64%)



- Cyan (48%)
- Magenta (0%)
- Yellow (43%)
- Black (36%)



- Cyan (67%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5447, 0.3010, 0.4619 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 28.5447, 0.3010, 0.4619 by changing the saturation by 10% instead.


 28.5447, 0.3010,
0.4619


 28.5447, 0.3010,
0.4619


295.0606, 0.3101,
0.3856


 18.7367, 0.2971,
0.4847


 57.3529, 0.3053,
0.4315


 11.4802, 0.2908,
0.5166


 77.1219, 0.3066,
0.4209

 6.3908, 0.2797,
0.5634


 100.9800, 0.3076,
0.4123

 3.0841, 0.2625,
0.6500

 129.3115, 0.3083,
0.4052

 1.1758, 0.1077,
0.8923

162.5010, 0.3089,
0.3991

 0.0418, 0.0000,
1.0000

200.9327, 0.3094,

 0.0000, 0.0000,

0.3940

0.0000

244.9911, 0.3097,
0.3895

■ 28.5447, 0.3010,
0.4619

■ 28.5447, 0.3010,
0.4619

■ 27.6389, 0.2991,
0.4947

■ 29.6767, 0.3033,
0.4295

■ 26.9407, 0.2978,
0.5260

■ 31.0448, 0.3058,
0.3989

■ 26.4345, 0.2972,
0.5536

■ 32.6626, 0.3084,
0.3709


■ 26.1011, 0.2974,
0.5754

■ 34.5419, 0.3109,
0.3458


■ 25.9105, 0.2981,
0.5904


■ 36.6934, 0.3133,
0.3238

 25.8732, 0.2981,
0.5931

 39.1273, 0.3156,
0.3045

 41.8536, 0.3177,
0.2878

 44.8813, 0.3196,
0.2734

 48.2193, 0.3214,
0.2610

Harmonies

Analogous

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



28.5447, 0.3769, 0.4744



28.5447, 0.3010, 0.4619



28.5447, 0.2324, 0.3935

Triad

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



28.5447, 0.3010, 0.4619



28.5447, 0.1925, 0.2136



28.5447, 0.4533, 0.3254

Complementary

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



28.5447, 0.3010, 0.4619



16.5541, 0.3271, 0.2250

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.



28.5447, 0.3902, 0.2723



28.5447, 0.3010, 0.4619



28.5447, 0.2373, 0.2108

Square

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



28.5447, 0.3010, 0.4619



28.5447, 0.1760, 0.2447



28.5447, 0.3080, 0.2318



28.5447, 0.4704, 0.3836

Rectangle

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



28.5447, 0.3010, 0.4619



28.5447, 0.1999, 0.3353



28.5447, 0.3080, 0.2318



28.5447, 0.4364, 0.3068

Sweetspot

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



28.5459, 0.3010, 0.4619



60.3494, 0.3092, 0.3625



33.5230, 0.3744, 0.4452



13.4022, 0.3087, 0.3678



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.5459, 0.3010, 0.4619



50.0941, 0.2990, 0.4966



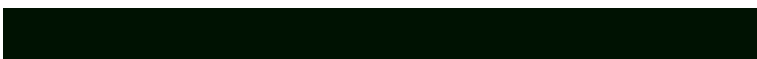
29.3833, 0.2732, 0.3879



7.9049, 0.3104, 0.3501



20.3873, 0.2979, 0.5923



0.4313, 0.2886, 0.5588

Inverse Universe

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



16.5541, 0.3271, 0.2250



25.6348, 0.3309, 0.2054



15.4727, 0.3846, 0.2785



7.1911, 0.3151, 0.3088



7.7239, 0.3445, 0.1672



0.1653, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 28.5447, 0.3010, 0.4619 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 28.5447, 0.3010, 0.4619 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 28.5447, 0.3010, 0.4619

Background



This preview shows how black text looks on a background with the Yxy color 28.5447, 0.3010, 0.4619.



This preview shows how white text looks on a background with the Yxy color 28.5447, 0.3010, 0.4619.

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

28.5447, 0.3010, 0.4619

Protanopia

28.1918, 0.3868, 0.4209

Deuteranopia

27.9430, 0.3967, 0.3886



Tritanopia

28.3023, 0.2563, 0.3068

Trichromacy



Original Color

28.5447, 0.3010, 0.4619

Protanomaly

27.6631, 0.3508, 0.4373

Deuteranomaly

27.3747, 0.3564, 0.4147

Tritanomaly

28.0739, 0.2724, 0.3596

Monochromacy



Original Color

28.5447, 0.3010, 0.4619

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.2078, 0.3074, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5447, 0.3010, 0.4619 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(85, 162, 92)` looks like.

```
.text, #text, p{  
    color:rgb(85, 162, 92)  
}
```

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(85, 162, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 162, 92) }
```

Border

The CSS property to change the border of an element to Yxy 28.5447, 0.3010, 0.4619 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(85, 162, 92) }
```

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

```
.border{ border-color:rgb(85, 162, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 162, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 162, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 162, 92);  
box-shadow:4px 4px 4px 4px rgb(85, 162,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5447, 0.3010, 0.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 162, 92) }
```

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

```
.background{ background-color: rgb(85, 162,  
92) }
```

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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