

Converting Colors

$Y_{xy}(29.6568, 0.2963, 0.4304)$

Have a look what the booklet for
Yxy(29.6568, 0.2963, 0.4304)
contains.

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Color

$\text{Yxy}(29.6568, 0.2963, 0.4304)$

Conversions

Conversions Part 1

Format	Color
Hex	5EA36C
RGB	94, 163, 108
RGB Percent	37%, 64%, 42%
CMY	0.6315, 0.3607, 0.5765
CMYK	0.42, 0.00, 0.34, 0.36
HSL	132°, 27%, 50%
HSV	132°, 42%, 64%
XYZ	20.4166, 29.6568, 18.8318
YIQ	136.0990, -23.4690, -31.7330

Conversions

Conversions Part 2

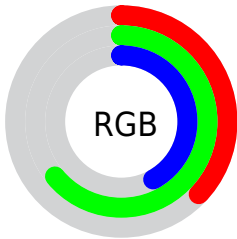
Format	Color
RYB	94, 151, 163
Decimal	6202220
CIELab	61.36, -33.99, 21.94
CIElCh	61, 40.457, 147.155
Yxy	29.6568, 0.2963, 0.4304
Android (android.graphics.Color)	4284392300 (0xFF5EA36C)
YUV	136.0990, -13.8528, -36.9208
Hunter-Lab	54.4581, -28.3810, 17.6179

Details

The Yxy color $29.6568, 0.2963, 0.4304$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.9559, 0.3356, 0.2457$, and the grayscale version is $24.7161, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.8839, 0.3003, 0.4070$, and $12.1665, 0.2872, 0.4713$ is the 20% darker color. If you saturate the color by 10%, you get $28.6295, 0.2934, 0.4596$, and if you desaturate by 10%, it is $30.9097, 0.2998, 0.4027$.

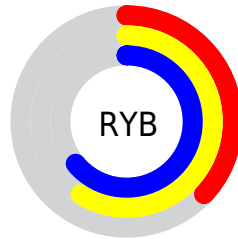
Distribution



Red (37%)

Green (64%)

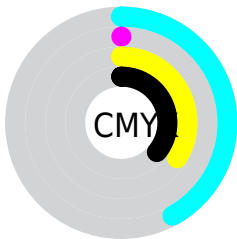
Blue (42%)



Red (37%)

Yellow (59%)

Blue (64%)

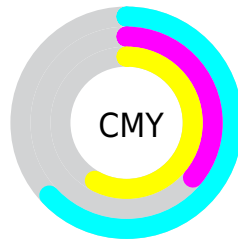


Cyan (42%)

Magenta (0%)

Yellow (34%)

Black (36%)



Cyan (63%)


Magenta (36%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6568, 0.2963, 0.4304 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 29.6568, 0.2963, 0.4304 by changing the saturation by 10% instead.


 29.6568, 0.2963,
0.4304


 29.6568, 0.2963,
0.4304


300.3014, 0.3067,
0.3730

 19.5782, 0.2927,
0.4474


 59.1190, 0.3008,
0.4077


 12.0888, 0.2873,
0.4711


 79.2714, 0.3022,
0.3997

 6.8042, 0.2785,
0.5060


 103.5506, 0.3034,
0.3932

 3.3400, 0.2624,
0.5622

 132.3409, 0.3043,
0.3878

 1.3117, 0.2178,
0.7822

166.0268, 0.3051,
0.3832

 0.1502, 0.0000,
1.0000

204.9925, 0.3057,

 0.0000, 0.0000,

0.3793

0.0000

249.6226, 0.3062,
0.3759

■ 29.6568, 0.2963,
0.4304

■ 29.6568, 0.2963,
0.4304

■ 28.6295, 0.2934,
0.4596

■ 30.9097, 0.2998,
0.4027

■ 27.8108, 0.2914,
0.4891

■ 32.3969, 0.3037,
0.3771

■ 27.1870, 0.2905,
0.5176


■ 34.1308, 0.3077,
0.3540


■ 26.7414, 0.2909,
0.5434

■ 36.1221, 0.3118,
0.3335

■ 26.4540, 0.2925,
0.5650


■ 38.3808, 0.3157,
0.3154

 26.3083, 0.2939,
0.5782

 40.9163, 0.3195,
0.2996

 43.7376, 0.3231,
0.2859

 46.8533, 0.3265,
0.2740

 50.2716, 0.3296,
0.2637

Harmonies

Analogous

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



29.6568, 0.3601, 0.4495



29.6568, 0.2963, 0.4304



29.6568, 0.2402, 0.3724

Triad

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



29.6568, 0.2963, 0.4304



29.6568, 0.2150, 0.2303



29.6568, 0.4325, 0.3346

Complementary

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



29.6568, 0.2963, 0.4304



17.9559, 0.3356, 0.2457

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.



29.6568, 0.3851, 0.2875



29.6568, 0.2963, 0.4304



29.6568, 0.2570, 0.2300

Square

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



29.6568, 0.2963, 0.4304



29.6568, 0.1974, 0.2547



29.6568, 0.3186, 0.2505



29.6568, 0.4424, 0.3844

Rectangle

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



29.6568, 0.2963, 0.4304



29.6568, 0.2143, 0.3263



29.6568, 0.3186, 0.2505



29.6568, 0.4203, 0.3182

Sweetspot

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



29.6580, 0.2963, 0.4304



60.8249, 0.3074, 0.3560



33.4138, 0.3599, 0.4365



13.5063, 0.3065, 0.3607



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.



29.6580, 0.2963, 0.4304



51.3347, 0.2935, 0.4583



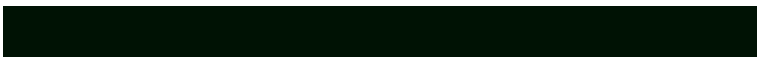
30.5375, 0.2706, 0.3654



7.9175, 0.3090, 0.3474



20.4493, 0.2936, 0.5768



0.4357, 0.2765, 0.5154

Inverse Universe

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



17.9559, 0.3356, 0.2457



27.4928, 0.3424, 0.2283



17.0168, 0.3862, 0.2963



7.1774, 0.3167, 0.3113



7.3085, 0.3788, 0.1860



0.1595, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 29.6568, 0.2963, 0.4304 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 29.6568, 0.2963, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

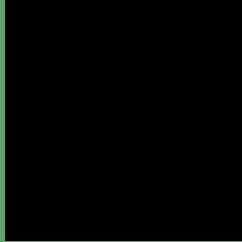
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6568, 0.2963, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 29.6568, 0.2963, 0.4304.



This preview shows how white text looks on a background with the Yxy color 29.6568, 0.2963, 0.4304.

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

29.6568, 0.2963, 0.4304

Protanopia

29.1780, 0.3721, 0.4009

Deuteranopia

29.1262, 0.3786, 0.3708



Tritanopia

29.7299, 0.2600, 0.3090

Trichromacy



Original Color

29.6568, 0.2963, 0.4304

Protanomaly

28.9328, 0.3400, 0.4119

Deuteranomaly

28.5719, 0.3445, 0.3918

Tritanomaly

29.6964, 0.2731, 0.3515

Monochromacy



Original Color

29.6568, 0.2963, 0.4304

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.1291, 0.3059, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6568, 0.2963, 0.4304 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(94, 163, 108)` looks like.

```
.text, #text, p{  
    color:rgb(94, 163, 108)  
}
```

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(94, 163, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 163, 108) }
```

Border

The CSS property to change the border of an element to Yxy 29.6568, 0.2963, 0.4304 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(94, 163, 108) }
```

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

```
.border{ border-color:rgb(94, 163, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 163, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 163, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 163, 108); box-shadow:4px 4px 4px 4px rgb(94, 163, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6568, 0.2963, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 163, 108) }
```

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

```
.background{ background-color: rgb(94, 163,  
108) }
```

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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