

Converting Colors

$Yxy(30.1924, 0.2874, 0.4176)$

Have a look what the booklet for
Yxy(30.1924, 0.2874, 0.4176)
contains.

Yxy(30.3449, 0.2874, 0.4188)	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(30.3449, 0.2874, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	5AA574
RGB	90, 165, 116
RGB Percent	35%, 65%, 45%
CMY	0.6471, 0.3529, 0.5450
CMYK	0.45, 0.00, 0.30, 0.35
HSL	141°, 29%, 50%
HSV	141°, 45%, 65%
XYZ	20.8241, 30.3449, 21.2878
YIQ	136.9890, -28.9710, -31.1390

Conversions

Conversions Part 2

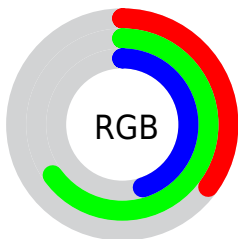
Format	Color
RYB	90, 146, 165
Decimal	5940596
CIELab	61.95, -34.57, 18.32
CIELCh	62, 39.123, 152.080
Yxy	30.3449, 0.2874, 0.4188
Android (android.graphics.Color)	4284130676 (0xFF5AA574)
YUV	136.9890, -10.3476, -41.2094
Hunter-Lab	55.0862, -28.9230, 15.6480

Details

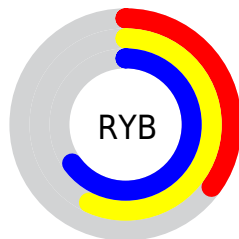
The Yxy color **30.3449, 0.2874, 0.4188** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1740, 0.3532, 0.2545**, and the grayscale version is **25.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4693, 0.2937, 0.3997**, and **12.3509, 0.2763, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **29.3722, 0.2837, 0.4431**, and if you desaturate by 10%, it is **31.5329, 0.2921, 0.3958**.

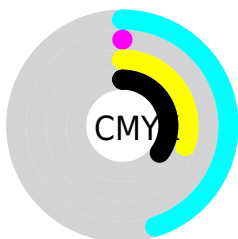
Distribution



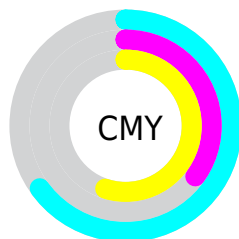
- Red (35%)
- Green (65%)
- Blue (45%)



- Red (35%)
- Yellow (57%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3449, 0.2874, 0.4188 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 30.3449, 0.2874, 0.4188 by changing the saturation by 10% instead.


 30.3449, 0.2874,
0.4188


 30.3449, 0.2874,
0.4188


303.5088, 0.3022,
0.3682


 20.1005, 0.2828,
0.4337


 60.2072, 0.2934,
0.3989


 12.4681, 0.2762,
0.4543


 80.5939, 0.2955,
0.3919

 7.0633, 0.2661,
0.4849


 105.1302, 0.2971,
0.3861

 3.5017, 0.2490,
0.5340

 134.2004, 0.2985,
0.3814

 1.3990, 0.2097,
0.7093

168.1890, 0.2996,
0.3773

 0.2160, 0.0000,
1.0000

207.4803, 0.3006,

 0.0000, 0.0000,

0.3739

0.0000

252.4588, 0.3015,
0.3709

■ 30.3449, 0.2874,
0.4188

■ 30.3449, 0.2874,
0.4188

■ 29.3722, 0.2837,
0.4431

■ 31.5329, 0.2921,
0.3958

■ 28.5977, 0.2813,
0.4681

■ 32.9444, 0.2975,
0.3744

■ 28.0078, 0.2804,
0.4928


■ 34.5920, 0.3034,
0.3550

■ 27.5855, 0.2813,
0.5162

■ 36.4861, 0.3094,
0.3377


■ 27.3092, 0.2838,
0.5374

■ 38.6364, 0.3155,
0.3222

 27.2094, 0.2851,
0.5462

 41.0522, 0.3214,
0.3086

 43.7423, 0.3271,
0.2967

 46.7150, 0.3326,
0.2863

 49.9783, 0.3378,
0.2773

Harmonies

Analogous

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



30.3449, 0.3488, 0.4444



30.3449, 0.2874, 0.4188



30.3449, 0.2359, 0.3598

Triad

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



30.3449, 0.2874, 0.4188



30.3449, 0.2236, 0.2323



30.3449, 0.4319, 0.3427

Complementary

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



30.3449, 0.2874, 0.4188



17.1740, 0.3532, 0.2545

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.



30.3449, 0.3916, 0.2961



30.3449, 0.2874, 0.4188



30.3449, 0.2679, 0.2354

Square

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



30.3449, 0.2874, 0.4188



30.3449, 0.2025, 0.2521



30.3449, 0.3293, 0.2582



30.3449, 0.4352, 0.3905

Rectangle

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



30.3449, 0.2874, 0.4188



30.3449, 0.2134, 0.3163



30.3449, 0.3293, 0.2582



30.3449, 0.4222, 0.3266

Sweetspot

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



30.3461, 0.2874, 0.4188



62.3338, 0.3041, 0.3528



33.2250, 0.3527, 0.4487



13.4849, 0.3029, 0.3566



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.



30.3461, 0.2874, 0.4188



52.5162, 0.2835, 0.4445



31.3682, 0.2613, 0.3505



7.9337, 0.3071, 0.3440



20.5920, 0.2845, 0.5443



0.4413, 0.2639, 0.4699

Inverse Universe

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



17.1740, 0.3532, 0.2545



25.7930, 0.3666, 0.2389



16.2798, 0.4107, 0.3096



7.1602, 0.3188, 0.3144



6.8763, 0.4301, 0.2143



0.1529, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 30.3449, 0.2874, 0.4188 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3449, 0.2874, 0.4188 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 ✓ Pass

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

Yxy 30.3449, 0.2874, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 30.3449, 0.2874, 0.4188.



This preview shows how white text looks on a background with the Yxy color 30.3449, 0.2874, 0.4188.

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

30.3449, 0.2874, 0.4188

Protanopia

30.0726, 0.3643, 0.3912

Deuteranopia

29.9096, 0.3690, 0.3618



Tritanopia

30.2776, 0.2556, 0.3074

Trichromacy



Original Color

30.3449, 0.2874, 0.4188

Protanomaly

29.7634, 0.3321, 0.4013

Deuteranomaly

29.3048, 0.3350, 0.3817

Tritanomaly

30.3208, 0.2668, 0.3462

Monochromacy



Original Color

30.3449, 0.2874, 0.4188

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4455, 0.3021, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3449, 0.2874, 0.4188 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(90, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 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(90, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 116) }
```

Border

The CSS property to change the border of an element to Yxy 30.3449, 0.2874, 0.4188 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(90, 165, 116) }
```

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

```
.border{ border-color:rgb(90, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3449, 0.2874, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 116) }
```

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

```
.background{ background-color: rgb(90, 165,  
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](#).

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