

Converting Colors

Yxy(30.6318, 0.3140, 0.4972)

Have a look what the booklet for
Yxy(30.6318, 0.3140, 0.4972)
contains.

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Color

Yxy(30.5880, 0.3141, 0.4979)

Conversions

Conversions Part 1

Format	Color
Hex	58A84B
RGB	88, 168, 75
RGB Percent	35%, 66%, 29%
CMY	0.6550, 0.3412, 0.7057
CMYK	0.48, 0.00, 0.55, 0.34
HSL	112°, 38%, 48%
HSV	112°, 55%, 66%
XYZ	19.2964, 30.5880, 11.5496
YIQ	133.4780, -17.8270, -45.8830

Conversions

Conversions Part 2

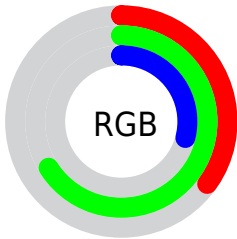
Format	Color
RYB	75, 168, 155
Decimal	5810251
CIELab	62.16, -43.02, 40.08
CIElCh	62, 58.800, 137.027
Yxy	30.5880, 0.3141, 0.4979
Android (android.graphics.Color)	4284000331 (0xFF58A84B)
YUV	133.4780, -28.8297, -39.8842
Hunter-Lab	55.3064, -34.5075, 26.3330

Details

The Yxy color **30.5880, 0.3141, 0.4979** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.8392, 0.3016, 0.1936**, and the grayscale version is **23.7510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6573, 0.3171, 0.4607**, and **12.5929, 0.3042, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **29.7518, 0.3127, 0.5297**, and if you desaturate by 10%, it is **31.6276, 0.3149, 0.4641**.

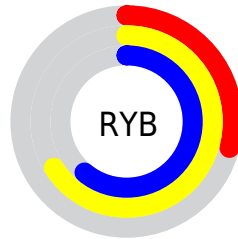
Distribution



Red (35%)

Green (66%)

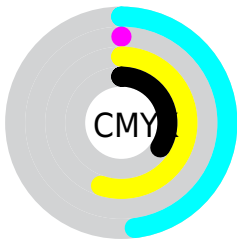
Blue (29%)



Red (29%)

Yellow (66%)

Blue (61%)

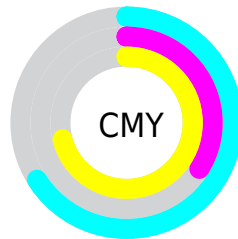


Cyan (48%)

Magenta (0%)

Yellow (55%)

Black (34%)



Cyan (66%)

Magenta (34%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5880, 0.3141, 0.4979 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 30.5880, 0.3141, 0.4979 by changing the saturation by 10% instead.


 30.5880, 0.3141,
0.4979


 30.5880, 0.3141,
0.4979


304.6357, 0.3180,
0.4020

 20.2853, 0.3107,
0.5256


 60.5908, 0.3171,
0.4602


 12.6026, 0.3042,
0.5631


 81.0598, 0.3177,
0.4469


 7.1555, 0.2915,
0.6157


 105.6863, 0.3180,
0.4360

 3.5595, 0.2768,
0.7232

 134.8547, 0.3181,
0.4269

 1.4304, 0.1380,
0.8620

 168.9495, 0.3182,
0.4192

 0.2389, 0.0000,
1.0000

208.3550, 0.3181,

 0.0000, 0.0000,

0.4126

0.0000

253.4556, 0.3181,
0.4069

■ 30.5880, 0.3141,
0.4979

■ 30.5880, 0.3141,
0.4979

■ 29.7518, 0.3127,
0.5297

■ 31.6276, 0.3149,
0.4641

■ 29.1018, 0.3106,
0.5573

■ 32.8786, 0.3151,
0.4304

■ 28.6245, 0.3080,
0.5784

■ 34.3534, 0.3148,
0.3983

■ 28.3024, 0.3051,
0.5920

■ 36.0623, 0.3141,
0.3687

■ 28.1940, 0.3041,
0.5968

■ 38.0149, 0.3133,
0.3420

■ 40.2203, 0.3122,
0.3183

■ 42.6871, 0.3111,
0.2976

■ 45.4236, 0.3100,
0.2795

■ 48.4375, 0.3089,
0.2638

Harmonies

Analogous

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



30.5880, 0.4005, 0.4932



30.5880, 0.3141, 0.4979



30.5880, 0.2319, 0.4269

Triad

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



30.5880, 0.3141, 0.4979



30.5880, 0.1688, 0.2002



30.5880, 0.4672, 0.3093

Complementary

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



30.5880, 0.3141, 0.4979



14.8392, 0.3016, 0.1936

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.



30.5880, 0.3841, 0.2523



30.5880, 0.3141, 0.4979



30.5880, 0.2121, 0.1922

Square

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



30.5880, 0.3141, 0.4979



30.5880, 0.1566, 0.2410



30.5880, 0.2875, 0.2109



30.5880, 0.4978, 0.3738

Rectangle

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



30.5880, 0.3141, 0.4979



30.5880, 0.1912, 0.3559



30.5880, 0.2875, 0.2109



30.5880, 0.4438, 0.2891

Sweetspot

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



30.5893, 0.3141, 0.4979



64.7890, 0.3143, 0.3743



31.9649, 0.4012, 0.4424



13.9890, 0.3144, 0.3798



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.5893, 0.3141, 0.4979



53.7391, 0.3123, 0.5353



30.5782, 0.2835, 0.4425



8.4560, 0.3136, 0.3522



21.3034, 0.3045, 0.5964



0.5329, 0.3207, 0.5836

Inverse Universe

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



14.8392, 0.3016, 0.1936



22.2662, 0.2978, 0.1704



15.1248, 0.3663, 0.2401



7.6129, 0.3116, 0.3066



6.6710, 0.2866, 0.1352



0.1763, 0.2987, 0.1419

Previews

White Background



This preview shows how the Yxy color 30.5880, 0.3141, 0.4979 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 30.5880, 0.3141, 0.4979 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 30.5880, 0.3141, 0.4979

Background



This preview shows how black text looks on a background with the Yxy color 30.5880, 0.3141, 0.4979.



This preview shows how white text looks on a background with the Yxy color 30.5880, 0.3141, 0.4979.

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

30.5880, 0.3141, 0.4979

Protanopia

30.3494, 0.4069, 0.4458

Deuteranopia

30.0225, 0.4214, 0.4118



Tritanopia

30.5198, 0.2584, 0.3076

Trichromacy



Original Color

30.5880, 0.3141, 0.4979

Protanomaly

29.9721, 0.3691, 0.4672

Deuteranomaly

28.9936, 0.3777, 0.4435

Tritanomaly

30.3276, 0.2796, 0.3749

Monochromacy



Original Color

30.5880, 0.3141, 0.4979

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.5095, 0.3149, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5880, 0.3141, 0.4979 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(88, 168, 75)` looks like.

```
.text, #text, p{  
    color:rgb(88, 168, 75)  
}
```

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(88, 168, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 168, 75) }
```

Border

The CSS property to change the border of an element to Yxy 30.5880, 0.3141, 0.4979 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(88, 168, 75) }
```

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

```
.border{ border-color:rgb(88, 168, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 168, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 168, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 168, 75);  
box-shadow:4px 4px 4px 4px rgb(88, 168,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5880, 0.3141, 0.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 168, 75) }
```

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

```
.background{ background-color: rgb(88, 168,  
75) }
```

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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