

Converting Colors

$Yxy(30.5289, 0.3041, 0.5003)$

Have a look what the booklet for
Yxy(30.5289, 0.3041, 0.5003)
contains.

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Color

Yxy(30.4483, 0.3040, 0.5001)

Conversions

Conversions Part 1

Format	Color
Hex	4CA94D
RGB	76, 169, 77
RGB Percent	30%, 66%, 30%
CMY	0.7019, 0.3372, 0.6979
CMYK	0.55, 0.00, 0.54, 0.34
HSL	121°, 38%, 48%
HSV	121°, 55%, 66%
XYZ	18.5089, 30.4483, 11.9273
YIQ	130.7050, -25.8960, -48.3280

Conversions

Conversions Part 2

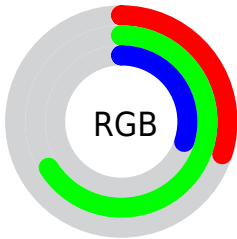
Format	Color
RYB	76, 168, 169
Decimal	5024077
CIELab	62.04, -46.56, 38.85
CIELCh	62, 60.645, 140.156
Yxy	30.4483, 0.3040, 0.5001
Android (android.graphics.Color)	4283214157 (0xFF4CA94D)
YUV	130.7050, -26.4766, -47.9763
Hunter-Lab	55.1800, -36.6912, 25.8103

Details

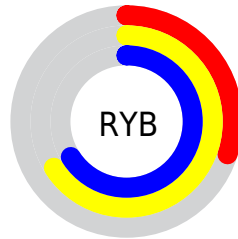
The Yxy color **30.4483, 0.3040, 0.5001** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.4309, 0.3200, 0.2022**, and the grayscale version is **22.6910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3145, 0.3089, 0.4619**, and **12.5699, 0.2911, 0.5678** is the 20% darker color. If you saturate the color by 10%, you get **29.6393, 0.3025, 0.5329**, and if you desaturate by 10%, it is **31.5024, 0.3057, 0.4652**.

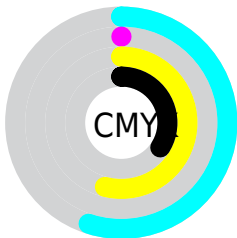
Distribution



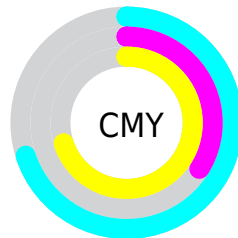
- Red (30%)
- Green (66%)
- Blue (30%)



- Red (30%)
- Yellow (66%)
- Blue (66%)



- Cyan (55%)
- Magenta (0%)
- Yellow (54%)
- Black (34%)





- Cyan (70%)
- Magenta (34%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4483, 0.3040, 0.5001 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 30.4483, 0.3040, 0.5001 by changing the saturation by 10% instead.


 30.4483, 0.3040,
0.5001


 30.4483, 0.3040,
0.5001


303.9885, 0.3133,
0.4023

 20.1791, 0.2991,
0.5287


 60.3704, 0.3090,
0.4615


 12.5253, 0.2909,
0.5677


 80.7921, 0.3104,
0.4479

 7.1025, 0.2757,
0.6228


 105.3668, 0.3113,
0.4368

 3.5263, 0.2587,
0.7413

 134.4789, 0.3120,
0.4276

 1.4123, 0.0844,
0.9156

 168.5127, 0.3125,
0.4198

 0.2257, 0.0000,
1.0000

207.8526, 0.3128,

 0.0000, 0.0000,

0.4131

0.0000

252.8831, 0.3131,
0.4074

■ 30.4483, 0.3040,
0.5001

■ 30.4483, 0.3040,
0.5001

■ 29.6393, 0.3025,
0.5329

■ 31.5024, 0.3057,
0.4652

■ 29.0521, 0.3012,
0.5611

■ 32.8149, 0.3074,
0.4305

■ 28.6659, 0.3004,
0.5821

■ 34.4028, 0.3091,
0.3977

■ 28.4533, 0.3000,
0.5949

■ 36.2805, 0.3106,
0.3678

■ 28.3808, 0.2998,
0.5992

■ 38.4614, 0.3121,
0.3411

■ 40.9582, 0.3133,
0.3178

■ 43.7826, 0.3144,
0.2976

■ 46.9460, 0.3154,
0.2802

■ 50.4591, 0.3163,
0.2653

Harmonies

Analogous

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



30.4483, 0.3934, 0.5017



30.4483, 0.3040, 0.5001



30.4483, 0.2217, 0.4194

Triad

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



30.4483, 0.3040, 0.5001



30.4483, 0.1682, 0.1944



30.4483, 0.4784, 0.3149

Complementary

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



30.4483, 0.3040, 0.5001



16.4309, 0.3200, 0.2022

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.



30.4483, 0.3967, 0.2556



30.4483, 0.3040, 0.5001



30.4483, 0.2158, 0.1895

Square

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



30.4483, 0.3040, 0.5001



30.4483, 0.1525, 0.2318



30.4483, 0.2963, 0.2113



30.4483, 0.5028, 0.3811

Rectangle

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



30.4483, 0.3040, 0.5001



30.4483, 0.1825, 0.3450



30.4483, 0.2963, 0.2113



30.4483, 0.4562, 0.2940

Sweetspot

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



30.4496, 0.3040, 0.5001



64.1623, 0.3103, 0.3743



37.3339, 0.3906, 0.4578



13.8415, 0.3100, 0.3799



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.



30.4496, 0.3040, 0.5001



52.8219, 0.3022, 0.5395



31.3310, 0.2741, 0.4146



8.4090, 0.3115, 0.3520



21.1520, 0.2997, 0.5991



0.5150, 0.2986, 0.5949

Inverse Universe

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



16.4309, 0.3200, 0.2022



25.1262, 0.3214, 0.1818



15.0222, 0.3891, 0.2599



7.6652, 0.3139, 0.3070



8.3704, 0.3236, 0.1556



0.2041, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 30.4483, 0.3040, 0.5001 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 30.4483, 0.3040, 0.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

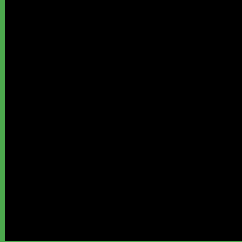
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4483, 0.3040, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 30.4483, 0.3040, 0.5001.



This preview shows how white text looks on a background with the Yxy color 30.4483, 0.3040, 0.5001.

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

30.4483, 0.3040, 0.5001

Protanopia

29.9492, 0.4051, 0.4427

Deuteranopia

29.9312, 0.4184, 0.4097



Tritanopia

30.3715, 0.2518, 0.3073

Trichromacy



Original Color

30.4483, 0.3040, 0.5001



Protanomaly

29.2445, 0.3627, 0.4660



Deuteranomaly

28.8902, 0.3697, 0.4443



Tritanomaly

30.1742, 0.2717, 0.3756

Monochromacy



Original Color

30.4483, 0.3040, 0.5001



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.7780, 0.3097, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4483, 0.3040, 0.5001 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(76, 169, 77)` looks like.

```
.text, #text, p{  
  color:rgb(76, 169, 77)  
}
```

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(76, 169, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 169, 77) }
```

Border

The CSS property to change the border of an element to Yxy 30.4483, 0.3040, 0.5001 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(76, 169, 77) }
```

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

```
.border{ border-color:rgb(76, 169, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 169, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 169, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 169, 77);  
box-shadow:4px 4px 4px 4px rgb(76, 169,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4483, 0.3040, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 169, 77) }
```

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

```
.background{ background-color: rgb(76, 169,  
77) }
```

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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