

Converting Colors

$Yxy(40.1227, 0.3034, 0.5248)$

Have a look what the booklet for
Yxy(40.1227, 0.3034, 0.5248)
contains.

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Color

Yxy(40.1438, 0.3036, 0.5243)

Conversions

Conversions Part 1

Format	Color
Hex	4BC14B
RGB	75, 193, 75
RGB Percent	29%, 76%, 29%
CMY	0.7056, 0.2431, 0.7059
CMYK	0.61, 0.00, 0.61, 0.24
HSL	120°, 49%, 53%
HSV	120°, 61%, 76%
XYZ	23.2456, 40.1438, 13.1771
YIQ	144.2660, -32.4500, -61.7140

Conversions

Conversions Part 2

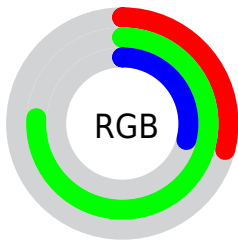
Format	Color
RYB	75, 193, 193
Decimal	4964683
CIELab	69.57, -56.16, 48.61
CIELCh	70, 74.277, 139.122
Yxy	40.1438, 0.3036, 0.5243
Android (android.graphics.Color)	4283154763 (0xFF4BC14B)
YUV	144.2660, -34.1481, -60.7463
Hunter-Lab	63.3591, -45.3893, 32.0206

Details

The Yxy color **40.1438, 0.3036, 0.5243** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **20.2060, 0.3192, 0.1891**, and the grayscale version is **28.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0806, 0.3091, 0.4827**, and **18.2240, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **39.2559, 0.3022, 0.5544**, and if you desaturate by 10%, it is **41.3509, 0.3052, 0.4900**.

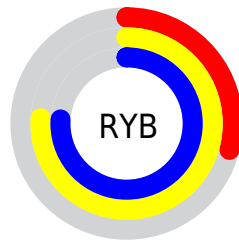
Distribution



Red (29%)

Green (76%)

Blue (29%)



Red (29%)

Yellow (76%)

Blue (76%)

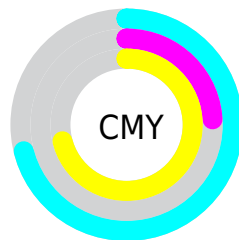


Cyan (61%)

Magenta (0%)

Yellow (61%)

Black (24%)



Cyan (71%)

Magenta (24%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1438, 0.3036, 0.5243 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 40.1438, 0.3036, 0.5243 by changing the saturation by 10% instead.


 40.1438, 0.3036,
0.5243

 40.1438, 0.3036,
0.5243


346.7293, 0.3145,
0.4170


 27.6507, 0.2981,
0.5534


 75.3824, 0.3094,
0.4833

 18.0625, 0.2892,
0.5915


 98.8967, 0.3110,
0.4685

 10.9949, 0.2739,
0.6424


 126.8536, 0.3122,
0.4562

 6.0634, 0.2520,
0.7281

 159.6373, 0.3130,
0.4458

 2.8837, 0.1927,
0.8073

 197.6324, 0.3135,
0.4370

 1.0713, 0.0000,
1.0000

241.2231, 0.3139,

 0.0000, 0.0000,

0.4294

0.0000

290.7940, 0.3143,
0.4228

■ 40.1438, 0.3036,
0.5243

■ 40.1438, 0.3036,
0.5243

■ 39.2559, 0.3022,
0.5544

■ 41.3509, 0.3052,
0.4900

■ 38.6527, 0.3011,
0.5778

■ 42.8980, 0.3069,
0.4543

■ 38.3007, 0.3004,
0.5928

■ 44.8100, 0.3085,
0.4195

■ 38.1397, 0.3000,
0.6000

■ 47.1082, 0.3100,
0.3870

■ 49.8120, 0.3114,
0.3576

■ 52.9397, 0.3126,
0.3317

■ 56.5084, 0.3136,
0.3092

■ 60.5344, 0.3145,
0.2898

■ 65.0328, 0.3153,
0.2732

Harmonies

Analogous

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



40.1438, 0.4010, 0.5177



40.1438, 0.3036, 0.5243



40.1438, 0.2136, 0.4352

Triad

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



40.1438, 0.3036, 0.5243



40.1438, 0.1544, 0.1825



40.1438, 0.4952, 0.3089

Complementary

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



40.1438, 0.3036, 0.5243



20.2060, 0.3192, 0.1891

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.



40.1438, 0.4020, 0.2461



40.1438, 0.3036, 0.5243



40.1438, 0.2038, 0.1770

Square

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



40.1438, 0.3036, 0.5243



40.1438, 0.1386, 0.2228



40.1438, 0.2901, 0.1995



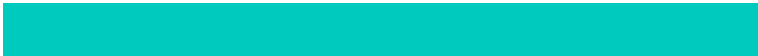
40.1438, 0.5226, 0.3793

Rectangle

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



40.1438, 0.3036, 0.5243



40.1438, 0.1709, 0.3497



40.1438, 0.2901, 0.1995



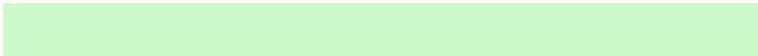
40.1438, 0.4698, 0.2869

Sweetspot

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



40.1455, 0.3036, 0.5243



85.6852, 0.3104, 0.3782



49.1198, 0.3992, 0.4681



18.0942, 0.3100, 0.3872



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1455, 0.3036, 0.5243



69.9350, 0.3018, 0.5623



41.3007, 0.2726, 0.4308



11.2592, 0.3116, 0.3528



25.3684, 0.3000, 0.6000



1.0962, 0.3001, 0.5999

Inverse Universe

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



20.2060, 0.3192, 0.1891



31.2468, 0.3200, 0.1706



18.1440, 0.4001, 0.2508



10.2471, 0.3138, 0.3063



10.0891, 0.3207, 0.1541



0.4360, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 40.1438, 0.3036, 0.5243 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 40.1438, 0.3036, 0.5243 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 40.1438, 0.3036, 0.5243

Background



This preview shows how black text looks on a background with the Yxy color 40.1438, 0.3036, 0.5243.



This preview shows how white text looks on a background with the Yxy color 40.1438, 0.3036, 0.5243.

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

40.1438, 0.3036, 0.5243

Protanopia

39.4847, 0.4151, 0.4557

Deuteranopia

39.3952, 0.4293, 0.4220



Tritanopia

39.9309, 0.2474, 0.3080

Trichromacy



Original Color

40.1438, 0.3036, 0.5243



Protanomaly

38.4988, 0.3662, 0.4846



Deuteranomaly

37.8521, 0.3745, 0.4613



Tritanomaly

39.2594, 0.2688, 0.3845

Monochromacy



Original Color

40.1438, 0.3036, 0.5243



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.0945, 0.3092, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1438, 0.3036, 0.5243 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(75, 193, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 193, 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(75, 193, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 193, 75) }
```

Border

The CSS property to change the border of an element to Yxy 40.1438, 0.3036, 0.5243 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(75, 193, 75) }
```

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

```
.border{ border-color:rgb(75, 193, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 193, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 193, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 193, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 193,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1438, 0.3036, 0.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 193, 75) }
```

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

```
.background{ background-color: rgb(75, 193,  
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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