

Converting Colors

$Yxy(40.5038, 0.3055, 0.5318)$

Have a look what the booklet for
Yxy(40.5038, 0.3055, 0.5318)
contains.

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Color

Yxy(40.5216, 0.3057, 0.5317)

Conversions

Conversions Part 1

Format	Color
Hex	4BC246
RGB	75, 194, 70
RGB Percent	29%, 76%, 27%
CMY	0.7060, 0.2392, 0.7254
CMYK	0.61, 0.00, 0.64, 0.24
HSL	118°, 50%, 52%
HSV	118°, 64%, 76%
XYZ	23.2978, 40.5216, 12.3920
YIQ	144.2830, -31.1200, -63.7920

Conversions

Conversions Part 2

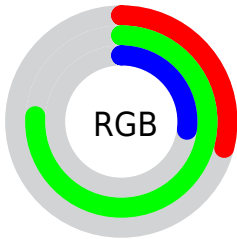
Format	Color
RYB	70, 194, 189
Decimal	4964934
CIELab	69.84, -57.08, 51.08
CIElCh	70, 76.597, 138.177
Yxy	40.5216, 0.3057, 0.5317
Android (android.graphics.Color)	4283155014 (0xFF4BC246)
YUV	144.2830, -36.6215, -60.7612
Hunter-Lab	63.6566, -46.0694, 33.0177

Details

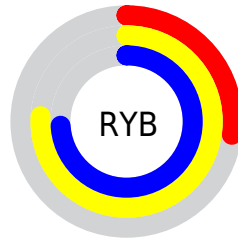
The Yxy color **40.5216, 0.3057, 0.5317** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **19.1061, 0.3135, 0.1819**, and the grayscale version is **28.1688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2851, 0.3117, 0.4899**, and **18.4850, 0.2984, 0.5943** is the 20% darker color. If you saturate the color by 10%, you get **39.6725, 0.3041, 0.5602**, and if you desaturate by 10%, it is **41.6730, 0.3073, 0.4985**.

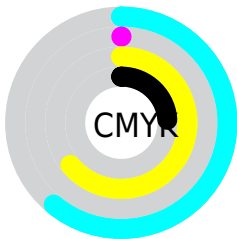
Distribution



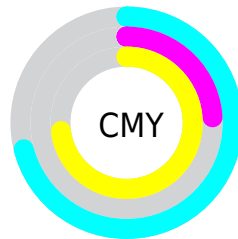
- Red (29%)
- Green (76%)
- Blue (27%)



- Red (27%)
- Yellow (76%)
- Blue (74%)



- Cyan (61%)
- Magenta (0%)
- Yellow (64%)
- Black (24%)





- Cyan (71%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5216, 0.3057, 0.5317 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 40.5216, 0.3057, 0.5317 by changing the saturation by 10% instead.


 40.5216, 0.3057,
0.5317


 40.5216, 0.3057,
0.5317


348.3172, 0.3161,
0.4206

 27.9455, 0.3001,
0.5615


 75.9571, 0.3115,
0.4895

 18.2846, 0.2909,
0.6003


 99.5853, 0.3131,
0.4741


 11.1545, 0.2749,
0.6516


 127.6663, 0.3141,
0.4614

 6.1708, 0.2539,
0.7430

 160.5845, 0.3148,
0.4506

 2.9492, 0.1905,
0.8095

 198.7243, 0.3153,
0.4414

 1.1053, 0.0000,
1.0000

242.4701, 0.3157,

 0.0000, 0.0000,

0.4335

0.0000

292.2062, 0.3159,
0.4267

■ 40.5216, 0.3057,
0.5317

■ 40.5216, 0.3057,
0.5317

■ 39.6725, 0.3041,
0.5602

■ 41.6730, 0.3073,
0.4985

■ 39.0929, 0.3025,
0.5816

■ 43.1461, 0.3088,
0.4633

■ 38.7515, 0.3012,
0.5946

■ 44.9642, 0.3100,
0.4283

■ 38.6360, 0.3008,
0.5994

■ 47.1473, 0.3110,
0.3954

■ 49.7138, 0.3119,
0.3653

■ 52.6809, 0.3125,
0.3385

■ 56.0647, 0.3130,
0.3151

■ 59.8804, 0.3133,
0.2948

■ 64.1426, 0.3136,
0.2773

Harmonies

Analogous

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



40.5216, 0.4050, 0.5206



40.5216, 0.3057, 0.5317



40.5216, 0.2132, 0.4425

Triad

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



40.5216, 0.3057, 0.5317



40.5216, 0.1502, 0.1799



40.5216, 0.4980, 0.3057

Complementary

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



40.5216, 0.3057, 0.5317



19.1061, 0.3135, 0.1819

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.



40.5216, 0.4006, 0.2423



40.5216, 0.3057, 0.5317



40.5216, 0.1991, 0.1736

Square

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



40.5216, 0.3057, 0.5317



40.5216, 0.1351, 0.2219



40.5216, 0.2860, 0.1956



40.5216, 0.5280, 0.3769

Rectangle

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



40.5216, 0.3057, 0.5317



40.5216, 0.1691, 0.3540



40.5216, 0.2860, 0.1956



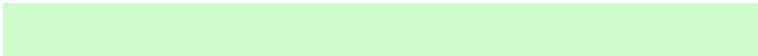
40.5216, 0.4712, 0.2834

Sweetspot

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



40.5233, 0.3057, 0.5317



87.4654, 0.3114, 0.3811



47.7965, 0.4051, 0.4689



18.8654, 0.3112, 0.3901



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.5233, 0.3057, 0.5317



71.3617, 0.3034, 0.5704



41.3909, 0.2742, 0.4437



11.2775, 0.3122, 0.3527



25.4089, 0.3010, 0.5992



1.1046, 0.3047, 0.5962

Inverse Universe

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



19.1061, 0.3135, 0.1819



29.4481, 0.3128, 0.1624



17.6952, 0.3992, 0.2432



10.2264, 0.3132, 0.3063



9.4550, 0.3111, 0.1487



0.4150, 0.3134, 0.1500

Previews

White Background



This preview shows how the Yxy color 40.5216, 0.3057, 0.5317 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 40.5216, 0.3057, 0.5317 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 40.5216, 0.3057, 0.5317

Background



This preview shows how black text looks on a background with the Yxy color 40.5216, 0.3057, 0.5317.



This preview shows how white text looks on a background with the Yxy color 40.5216, 0.3057, 0.5317.

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

40.5216, 0.3057, 0.5317

Protanopia

39.9271, 0.4183, 0.4606

Deuteranopia

39.6242, 0.4343, 0.4251



Tritanopia

40.4447, 0.2477, 0.3081

Trichromacy



Original Color

40.5216, 0.3057, 0.5317



Protanomaly

38.9294, 0.3694, 0.4905



Deuteranomaly

37.8825, 0.3788, 0.4668



Tritanomaly

39.6995, 0.2702, 0.3875

Monochromacy



Original Color

40.5216, 0.3057, 0.5317



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.0470, 0.3109, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5216, 0.3057, 0.5317 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, 194, 70)` looks like.

```
.text, #text, p{  
    color:rgb(75, 194, 70)  
}
```

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, 194, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 194, 70) }
```

Border

The CSS property to change the border of an element to Yxy 40.5216, 0.3057, 0.5317 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, 194, 70) }
```

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

```
.border{ border-color:rgb(75, 194, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 194, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 194, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 194, 70);  
box-shadow:4px 4px 4px 4px rgb(75, 194,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5216, 0.3057, 0.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 194, 70) }
```

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

```
.background{ background-color: rgb(75, 194,  
70) }
```

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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