

Converting Colors

$Yxy(35.9299, 0.3036, 0.5235)$

Have a look what the booklet for
Yxy(35.9299, 0.3036, 0.5235)
contains.

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Color

Yxy(36.0755, 0.3035, 0.5245)

Conversions

Conversions Part 1

Format	Color
Hex	47B847
RGB	71, 184, 71
RGB Percent	28%, 72%, 28%
CMY	0.7217, 0.2784, 0.7214
CMYK	0.61, 0.00, 0.61, 0.28
HSL	120°, 44%, 50%
HSV	120°, 61%, 72%
XYZ	20.8750, 36.0755, 11.8303
YIQ	137.3310, -31.0750, -59.0990

Conversions

Conversions Part 2

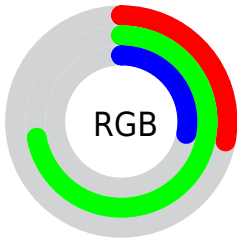
Format	Color
RYB	71, 184, 184
Decimal	4700231
CIELab	66.58, -54.27, 46.94
CIElCh	67, 71.752, 139.141
Yxy	36.0755, 0.3035, 0.5245
Android (android.graphics.Color)	4282890311 (0xFF47B847)
YUV	137.3310, -32.7012, -58.1723
Hunter-Lab	60.0629, -43.0721, 30.3660

Details

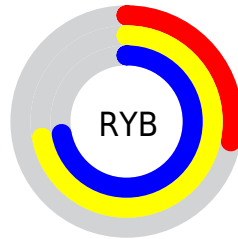
The Yxy color **36.0755, 0.3035, 0.5245** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.1498, 0.3194, 0.1890**, and the grayscale version is **25.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1659, 0.3098, 0.4826**, and **15.9998, 0.2968, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **35.2824, 0.3021, 0.5545**, and if you desaturate by 10%, it is **37.1537, 0.3051, 0.4904**.

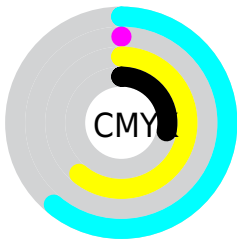
Distribution



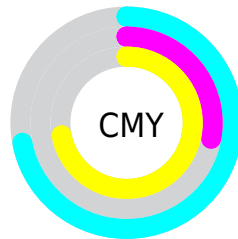
- Red (28%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0755, 0.3035, 0.5245 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 36.0755, 0.3035, 0.5245 by changing the saturation by 10% instead.


 36.0755, 0.3035,
0.5245

 36.0755, 0.3035,
0.5245


329.2904, 0.3145,
0.4153


 24.4925, 0.2978,
0.5548


 69.1486, 0.3095,
0.4823


 15.6994, 0.2882,
0.5950


 91.4075, 0.3111,
0.4672


 9.3117, 0.2715,
0.6493


 117.9938, 0.3122,
0.4547

 4.9450, 0.2493,
0.7507

 149.2919, 0.3130,
0.4443

 2.2150, 0.1593,
0.8407

 185.6862, 0.3136,
0.4354

 0.7282, 0.0000,
1.0000

227.5612, 0.3140,

 0.0000, 0.0000,

0.4277

0.0000

275.3011, 0.3143,
0.4211

■ 36.0755, 0.3035,
0.5245

■ 36.0755, 0.3035,
0.5245

■ 35.2824, 0.3021,
0.5545

■ 37.1537, 0.3051,
0.4904

■ 34.7433, 0.3010,
0.5778

■ 38.5354, 0.3068,
0.4548

■ 34.4286, 0.3003,
0.5927

■ 40.2429, 0.3084,
0.4200

■ 34.2839, 0.3000,
0.6000

■ 42.2951, 0.3099,
0.3876

■ 44.7095, 0.3113,
0.3583

■ 47.5023, 0.3126,
0.3324

■ 50.6887, 0.3136,
0.3099

■ 54.2834, 0.3145,
0.2905

■ 58.2998, 0.3153,
0.2738

Harmonies

Analogous

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



36.0755, 0.4010, 0.5179



36.0755, 0.3035, 0.5245



36.0755, 0.2134, 0.4352

Triad

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



36.0755, 0.3035, 0.5245



36.0755, 0.1543, 0.1823



36.0755, 0.4954, 0.3089

Complementary

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



36.0755, 0.3035, 0.5245



18.1498, 0.3194, 0.1890

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.



36.0755, 0.4021, 0.2461



36.0755, 0.3035, 0.5245



36.0755, 0.2037, 0.1769

Square

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



36.0755, 0.3035, 0.5245



36.0755, 0.1385, 0.2227



36.0755, 0.2901, 0.1994



36.0755, 0.5228, 0.3793

Rectangle

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



36.0755, 0.3035, 0.5245



36.0755, 0.1708, 0.3496



36.0755, 0.2901, 0.1994



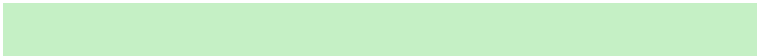
36.0755, 0.4700, 0.2869

Sweetspot

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



36.0770, 0.3035, 0.5245



77.9661, 0.3104, 0.3781



44.9291, 0.3980, 0.4700



16.5486, 0.3100, 0.3869



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.0770, 0.3035, 0.5245



63.5310, 0.3016, 0.5643



37.1665, 0.2714, 0.4275



10.0602, 0.3116, 0.3526



23.6264, 0.3000, 0.5999



0.8329, 0.2999, 0.5997

Inverse Universe

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



18.1498, 0.3194, 0.1890



28.2191, 0.3203, 0.1698



16.2372, 0.4036, 0.2532



9.1626, 0.3138, 0.3065



9.4044, 0.3211, 0.1543



0.3316, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.0755, 0.3035, 0.5245 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 36.0755, 0.3035, 0.5245 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 36.0755, 0.3035, 0.5245

Background



This preview shows how black text looks on a background with the Yxy color 36.0755, 0.3035, 0.5245.



This preview shows how white text looks on a background with the Yxy color 36.0755, 0.3035, 0.5245.

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

36.0755, 0.3035, 0.5245

Protanopia

35.4436, 0.4152, 0.4562

Deuteranopia

35.3674, 0.4301, 0.4210



Tritanopia

35.7029, 0.2473, 0.3070

Trichromacy



Original Color

36.0755, 0.3035, 0.5245



Protanomaly

34.3566, 0.3667, 0.4843



Deuteranomaly

33.7621, 0.3755, 0.4599



Tritanomaly

35.1881, 0.2690, 0.3835

Monochromacy



Original Color

36.0755, 0.3035, 0.5245



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.8142, 0.3092, 0.4029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0755, 0.3035, 0.5245 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(71, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 184, 71)  
}
```

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(71, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 184, 71) }
```

Border

The CSS property to change the border of an element to Yxy 36.0755, 0.3035, 0.5245 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(71, 184, 71) }
```

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

```
.border{ border-color:rgb(71, 184, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 184, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 184,  
71) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.0755, 0.3035, 0.5245$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 184, 71) }
```

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

```
.background{ background-color: rgb(71, 184,  
71) }
```

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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