

Converting Colors

$Yxy(34.9527, 0.2744, 0.5038)$

Have a look what the booklet for
Yxy(34.9527, 0.2744, 0.5038)
contains.

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Color

Yxy(35.0837, 0.2745, 0.5038)

Conversions

Conversions Part 1

Format	Color
Hex	0AB85A
RGB	10, 184, 90
RGB Percent	4%, 72%, 35%
CMY	0.9590, 0.2784, 0.6470
CMYK	0.94, 0.00, 0.51, 0.28
HSL	148°, 89%, 38%
HSV	148°, 94%, 72%
XYZ	19.1157, 35.0837, 15.4388
YIQ	121.2580, -73.5300, -66.1220

Conversions

Conversions Part 2

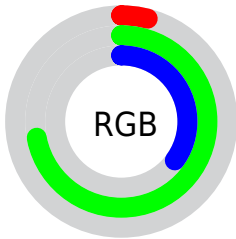
Format	Color
RYB	10, 129, 184
Decimal	702554
CIELab	65.81, -59.70, 36.77
CIELCh	66, 70.113, 148.373
Yxy	35.0837, 0.2745, 0.5038
Android (android.graphics.Color)	4278892634 (0xFF0AB85A)
YUV	121.2580, -15.4102, -97.5733
Hunter-Lab	59.2315, -46.0481, 26.0080

Details

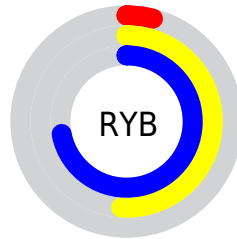
The Yxy color **35.0837, 0.2745, 0.5038** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.4258, 0.4660, 0.2377**, and the grayscale version is **19.3243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4603, 0.2848, 0.4644**, and **15.8606, 0.2861, 0.5500** is the 20% darker color. If you saturate the color by 10%, you get **34.9246, 0.2762, 0.5144**, and if you desaturate by 10%, it is **35.4581, 0.2723, 0.4841**.

Distribution



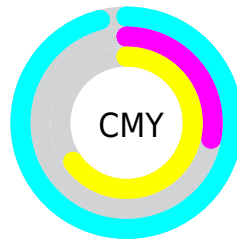
- Red (4%)
- Green (72%)
- Blue (35%)



- Red (4%)
- Yellow (51%)
- Blue (72%)



- Cyan (94%)
- Magenta (0%)
- Yellow (51%)
- Black (28%)




- Cyan (96%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0837, 0.2745, 0.5038 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 35.0837, 0.2745, 0.5038 by changing the saturation by 10% instead.


 35.0837, 0.2745,
0.5038


 35.0837, 0.2745,
0.5038


324.9376, 0.2990,
0.4048


 23.7274, 0.2661,
0.5324


 67.6154, 0.2850,
0.4649

 15.1315, 0.2537,
0.5714


 89.5596, 0.2884,
0.4512


 8.9117, 0.2343,
0.6267


 115.8018, 0.2911,
0.4400

 4.6836, 0.2031,
0.7144

 146.7265, 0.2933,
0.4306

 2.0629, 0.0910,
0.9090

 182.7180, 0.2951,
0.4226

 0.6436, 0.0000,
1.0000

 224.1608, 0.2966,

 0.0000, 0.0000,

0.4158

0.0000

271.4392, 0.2979,
0.4100

■ 35.0837, 0.2745,
0.5038

■ 35.0837, 0.2745,
0.5038

■ 34.9246, 0.2762,
0.5144

■ 35.4581, 0.2723,
0.4841

■ 36.0144, 0.2719,
0.4634

■ 36.7797, 0.2735,
0.4422

■ 37.7753, 0.2769,
0.4213

■ 39.0199, 0.2817,
0.4012

■ 40.5300, 0.2877,
0.3823

■ 42.3209, 0.2945,
0.3648

■ 44.4065, 0.3018,
0.3490

■ 46.7998, 0.3094,
0.3347

Harmonies

Analogous

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



35.0837, 0.3715, 0.5264



35.0837, 0.2745, 0.5038



35.0837, 0.1931, 0.3949

Triad

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



35.0837, 0.2745, 0.5038



35.0837, 0.1673, 0.1790



35.0837, 0.5093, 0.3304

Complementary

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



35.0837, 0.2745, 0.5038



11.4258, 0.4660, 0.2377

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.



35.0837, 0.4340, 0.2651



35.0837, 0.2745, 0.5038



35.0837, 0.2274, 0.1825

Square

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



35.0837, 0.2745, 0.5038



35.0837, 0.1417, 0.2074



35.0837, 0.3232, 0.2127



35.0837, 0.5142, 0.4018

Rectangle

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



35.0837, 0.2745, 0.5038



35.0837, 0.1590, 0.3132



35.0837, 0.3232, 0.2127



35.0837, 0.4913, 0.3077

Sweetspot

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



35.0851, 0.2745, 0.5038



75.3090, 0.2915, 0.3719



37.3607, 0.3463, 0.5594



15.9412, 0.2887, 0.3795



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.



35.0851, 0.2745, 0.5038



63.2667, 0.2770, 0.5174



37.4545, 0.2295, 0.3432



10.1268, 0.3056, 0.3416



24.0850, 0.2756, 0.5122



0.8616, 0.2616, 0.4617

Inverse Universe

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



11.4258, 0.4660, 0.2377



20.0798, 0.4815, 0.2426



10.4646, 0.6239, 0.3265



9.0914, 0.3206, 0.3167



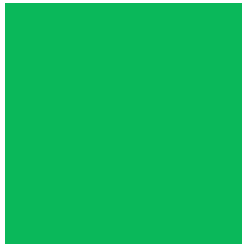
7.6671, 0.4758, 0.2395



0.2826, 0.4256, 0.2118

Previews

White Background



This preview shows how the Yxy color 35.0837, 0.2745, 0.5038 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 35.0837, 0.2745, 0.5038 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 35.0837, 0.2745, 0.5038

Background



This preview shows how black text looks on a background with the Yxy color 35.0837, 0.2745, 0.5038.



This preview shows how white text looks on a background with the Yxy color 35.0837, 0.2745, 0.5038.

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

35.0837, 0.2745, 0.5038

Protanopia

34.5043, 0.4003, 0.4376

Deuteranopia

34.2215, 0.4092, 0.4000



Tritanopia

34.8146, 0.2332, 0.3063

Trichromacy



Original Color

35.0837, 0.2745, 0.5038



Protanomaly

32.2902, 0.3315, 0.4722



Deuteranomaly

31.4562, 0.3354, 0.4439



Tritanomaly

34.3642, 0.2458, 0.3729

Monochromacy



Original Color

35.0837, 0.2745, 0.5038



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.8216, 0.2824, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0837, 0.2745, 0.5038 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(10, 184, 90)` looks like.

```
.text, #text, p{  
    color:rgb(10, 184, 90)  
}
```

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(10, 184, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 184, 90) }
```

Border

The CSS property to change the border of an element to Yxy 35.0837, 0.2745, 0.5038 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(10, 184, 90) }
```

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

```
.border{ border-color:rgb(10, 184, 90) }
```

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

Here you see how a box with a 4 pixel rgb(10, 184, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 184, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 184, 90);  
box-shadow:4px 4px 4px 4px rgb(10, 184,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0837, 0.2745, 0.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 184, 90) }
```

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

```
.background{ background-color: rgb(10, 184,  
90) }
```

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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