

Converting Colors

$Y_{xy}(34.8490, 0.2734, 0.5044)$

Have a look what the booklet for
Yxy(34.8490, 0.2734, 0.5044)
contains.

Yxy(35.0192, 0.2734, 0.5043)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.0192, 0.2734, 0.5043)

Conversions

Conversions Part 1

Format	Color
Hex	00B85A
RGB	0, 184, 90
RGB Percent	0%, 72%, 35%
CMY	1.0000, 0.2784, 0.6470
CMYK	1.00, 0.00, 0.51, 0.28
HSL	149°, 100%, 36%
HSV	149°, 100%, 72%
XYZ	18.9852, 35.0192, 15.4368
YIQ	118.2680, -79.4900, -68.2420

Conversions

Conversions Part 2

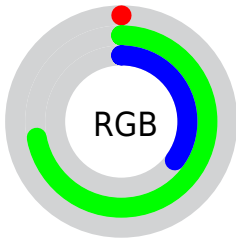
Format	Color
RYB	0, 124, 184
Decimal	47194
CIELab	65.76, -60.15, 36.69
CIELCh	66, 70.456, 148.622
Yxy	35.0192, 0.2734, 0.5043
Android (android.graphics.Color)	4278237274 (0xFF00B85A)
YUV	118.2680, -13.9361, -103.7210
Hunter-Lab	59.1770, -46.2933, 25.9577

Details

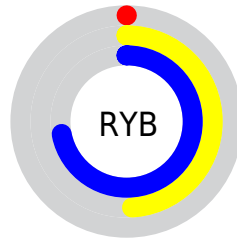
The Yxy color **35.0192, 0.2734, 0.5043** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.9987, 0.4913, 0.2480**, and the grayscale version is **18.2702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3504, 0.2840, 0.4647**, and **15.8606, 0.2861, 0.5500** is the 20% darker color. If you saturate the color by 10%, you get **35.0216, 0.2734, 0.5043**, and if you desaturate by 10%, it is **35.3245, 0.2706, 0.4860**.

Distribution



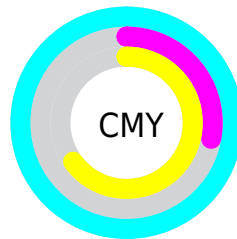
- Red (0%)
- Green (72%)
- Blue (35%)



- Red (0%)
- Yellow (49%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0192, 0.2734, 0.5043 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 35.0192, 0.2734, 0.5043 by changing the saturation by 10% instead.

 35.0192, 0.2734,
0.5043


 35.0192, 0.2734,
0.5043

324.6531, 0.2985,
0.4050


 23.6777, 0.2648,
0.5331


 67.5155, 0.2841,
0.4653


 15.0947, 0.2523,
0.5722


 89.4391, 0.2876,
0.4515

 8.8859, 0.2325,
0.6278


 115.6588, 0.2904,
0.4402

 4.6668, 0.2009,
0.7161

 146.5590, 0.2927,
0.4308

 2.0531, 0.0848,
0.9152

 182.5241, 0.2945,
0.4228

 0.6381, 0.0000,
1.0000

 223.9386, 0.2961,

 0.0000, 0.0000,

0.4160

0.0000

271.1868, 0.2974,
0.4101

■ 35.0192, 0.2734,
0.5043

■ 35.0192, 0.2734,
0.5043

■ 35.0216, 0.2734,
0.5043

■ 35.3245, 0.2706,
0.4860

■ 35.7729, 0.2694,
0.4667

■ 36.4142, 0.2701,
0.4468

■ 37.2716, 0.2727,
0.4269

■ 38.3650, 0.2769,
0.4075

■ 39.7121, 0.2826,
0.3891

■ 41.3287, 0.2893,
0.3719

■ 43.2292, 0.2967,
0.3561

■ 45.4270, 0.3046,
0.3418

Harmonies

Analogous

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



35.0192, 0.3708, 0.5276



35.0192, 0.2734, 0.5043



35.0192, 0.1919, 0.3942

Triad

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



35.0192, 0.2734, 0.5043



35.0192, 0.1670, 0.1783



35.0192, 0.5107, 0.3308

Complementary

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



35.0192, 0.2734, 0.5043



10.9987, 0.4913, 0.2480

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.



35.0192, 0.4355, 0.2652



35.0192, 0.2734, 0.5043



35.0192, 0.2277, 0.1820

Square

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



35.0192, 0.2734, 0.5043



35.0192, 0.1411, 0.2064



35.0192, 0.3242, 0.2126



35.0192, 0.5149, 0.4025

Rectangle

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



35.0192, 0.2734, 0.5043



35.0192, 0.1580, 0.3121



35.0192, 0.3242, 0.2126



35.0192, 0.4928, 0.3081

Sweetspot

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



35.0216, 0.2734, 0.5043



74.7560, 0.2889, 0.3727



36.7196, 0.3389, 0.5691



15.8407, 0.2860, 0.3798



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.



35.0216, 0.2734, 0.5043



63.4345, 0.2742, 0.5071



37.6167, 0.2261, 0.3338



10.1314, 0.3052, 0.3409



24.1494, 0.2728, 0.5021



0.8638, 0.2594, 0.4537

Inverse Universe

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



10.9987, 0.4913, 0.2480



19.8885, 0.4948, 0.2499



10.1977, 0.6383, 0.3290



9.0867, 0.3210, 0.3174



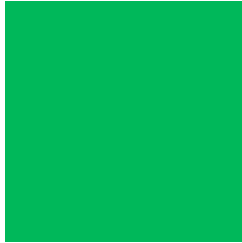
7.5941, 0.4887, 0.2466



0.2802, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 35.0192, 0.2734, 0.5043 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 35.0192, 0.2734, 0.5043 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 35.0192, 0.2734, 0.5043

Background



This preview shows how black text looks on a background with the Yxy color 35.0192, 0.2734, 0.5043.



This preview shows how white text looks on a background with the Yxy color 35.0192, 0.2734, 0.5043.

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

35.0192, 0.2734, 0.5043

Protanopia

34.5043, 0.4003, 0.4376

Deuteranopia

34.2215, 0.4092, 0.4000



Tritanopia

34.8146, 0.2332, 0.3063

Trichromacy



Original Color

35.0192, 0.2734, 0.5043



Protanomaly

32.0249, 0.3279, 0.4739



Deuteranomaly

31.1582, 0.3314, 0.4453



Tritanomaly

34.2692, 0.2446, 0.3730

Monochromacy



Original Color

35.0192, 0.2734, 0.5043



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.9246, 0.2788, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0192, 0.2734, 0.5043 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(0, 184, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 184, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 90) }
```

Border

The CSS property to change the border of an element to Yxy 35.0192, 0.2734, 0.5043 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(0, 184, 90) }
```

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

```
.border{ border-color:rgb(0, 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(0, 184, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.0192, 0.2734, 0.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 90) }
```

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

```
.background{ background-color: rgb(0, 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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