

Converting Colors

$Y_{xy}(34.7966, 0.2750, 0.5101)$

Have a look what the booklet for
Yxy(34.7966, 0.2750, 0.5101)
contains.

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Color

Yxy(34.9691, 0.2749, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	00B857
RGB	0, 184, 87
RGB Percent	0%, 72%, 34%
CMY	1.0000, 0.2784, 0.6587
CMYK	1.00, 0.00, 0.53, 0.28
HSL	148°, 100%, 36%
HSV	148°, 100%, 72%
XYZ	18.8601, 34.9691, 14.7780
YIQ	117.9260, -78.5270, -69.1750

Conversions

Conversions Part 2

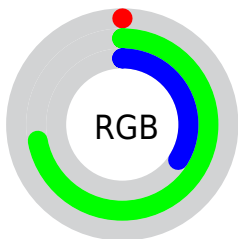
Format	Color
RYB	0, 125, 184
Decimal	47191
CIELab	65.72, -60.63, 38.12
CIELCh	66, 71.617, 147.838
Yxy	34.9691, 0.2749, 0.5097
Android (android.graphics.Color)	4278237271 (0xFF00B857)
YUV	117.9260, -15.2465, -103.4211
Hunter-Lab	59.1347, -46.5558, 26.5775

Details

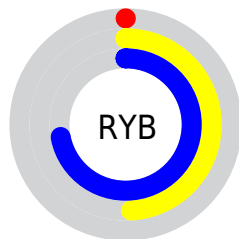
The Yxy color **34.9691, 0.2749, 0.5097** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.0536, 0.4844, 0.2442**, and the grayscale version is **18.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2615, 0.2854, 0.4689**, and **15.8341, 0.2882, 0.5577** is the 20% darker color. If you saturate the color by 10%, you get **34.9715, 0.2749, 0.5097**, and if you desaturate by 10%, it is **35.2734, 0.2720, 0.4910**.

Distribution



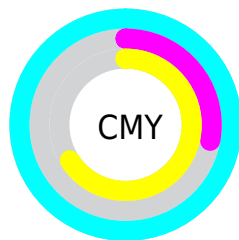
- Red (0%)
- Green (72%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9691, 0.2749, 0.5097 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 34.9691, 0.2749, 0.5097 by changing the saturation by 10% instead.


 34.9691, 0.2749,
0.5097


 34.9691, 0.2749,
0.5097


324.4319, 0.2995,
0.4072

 23.6391, 0.2663,
0.5393


 67.4379, 0.2855,
0.4694


 15.0661, 0.2536,
0.5796


 89.3455, 0.2890,
0.4552


 8.8658, 0.2335,
0.6365


 115.5476, 0.2917,
0.4436

 4.6537, 0.2020,
0.7297

 146.4289, 0.2939,
0.4339

 2.0456, 0.0786,
0.9214

 182.3735, 0.2957,
0.4257

 0.6337, 0.0000,
1.0000

 223.7660, 0.2972,

 0.0000, 0.0000,

0.4186

0.0000

270.9906, 0.2985,
0.4126

■ 34.9691, 0.2749,
0.5097

■ 34.9691, 0.2749,
0.5097

■ 34.9715, 0.2749,
0.5097

■ 35.2734, 0.2720,
0.4910

■ 35.7220, 0.2707,
0.4712

■ 36.3646, 0.2713,
0.4507

■ 37.2247, 0.2738,
0.4302

■ 38.3222, 0.2779,
0.4102

■ 39.6748, 0.2834,
0.3911

■ 41.2983, 0.2899,
0.3733

■ 43.2072, 0.2972,
0.3570

■ 45.4152, 0.3048,
0.3422

Harmonies

Analogous

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



34.9691, 0.3736, 0.5301



34.9691, 0.2749, 0.5097



34.9691, 0.1917, 0.3987

Triad

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



34.9691, 0.2749, 0.5097



34.9691, 0.1640, 0.1766



34.9691, 0.5128, 0.3285

Complementary

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



34.9691, 0.2749, 0.5097



11.0536, 0.4844, 0.2442

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.



34.9691, 0.4347, 0.2626



34.9691, 0.2749, 0.5097



34.9691, 0.2243, 0.1797

Square

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



34.9691, 0.2749, 0.5097



34.9691, 0.1387, 0.2058



34.9691, 0.3213, 0.2099



34.9691, 0.5185, 0.4008

Rectangle

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



34.9691, 0.2749, 0.5097



34.9691, 0.1568, 0.3145



34.9691, 0.3213, 0.2099



34.9691, 0.4940, 0.3057

Sweetspot

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



34.9715, 0.2749, 0.5097



74.7003, 0.2896, 0.3742



36.8872, 0.3413, 0.5672



15.8275, 0.2868, 0.3815



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.



34.9715, 0.2749, 0.5097



63.3443, 0.2757, 0.5126



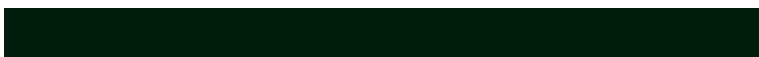
37.4921, 0.2275, 0.3389



10.1289, 0.3054, 0.3413



24.1148, 0.2743, 0.5075



0.8626, 0.2605, 0.4579

Inverse Universe

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



11.0536, 0.4844, 0.2442



19.9877, 0.4878, 0.2461



10.2044, 0.6365, 0.3280



9.0892, 0.3208, 0.3170



7.6320, 0.4819, 0.2428



0.2815, 0.4297, 0.2141

Previews

White Background



This preview shows how the Yxy color 34.9691, 0.2749, 0.5097 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 34.9691, 0.2749, 0.5097 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 34.9691, 0.2749, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 34.9691, 0.2749, 0.5097.



This preview shows how white text looks on a background with the Yxy color 34.9691, 0.2749, 0.5097.

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

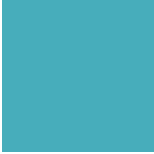
34.9691, 0.2749, 0.5097

Protanopia

34.4747, 0.4019, 0.4400

Deuteranopia

34.1842, 0.4111, 0.4025



Tritanopia

34.8146, 0.2332, 0.3063

Trichromacy



Original Color

34.9691, 0.2749, 0.5097



Protanomaly

31.9940, 0.3292, 0.4770



Deuteranomaly

31.1223, 0.3330, 0.4487



Tritanomaly

34.2365, 0.2451, 0.3749

Monochromacy



Original Color

34.9691, 0.2749, 0.5097



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.9034, 0.2796, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9691, 0.2749, 0.5097 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 87) }
```

Border

The CSS property to change the border of an element to Yxy 34.9691, 0.2749, 0.5097 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, 87) }
```

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

```
.border{ border-color:rgb(0, 184, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.9691, 0.2749, 0.5097 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, 87) }
```

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

```
.background{ background-color: rgb(0, 184,  
87) }
```

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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