

Converting Colors

$Y_{xy}(34.9320, 0.2710, 0.4957)$

Have a look what the booklet for
Yxy(34.9320, 0.2710, 0.4957)
contains.

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Color

Yxy(35.0891, 0.2714, 0.4970)

Conversions

Conversions Part 1

Format	Color
Hex	00B85E
RGB	0, 184, 94
RGB Percent	0%, 72%, 37%
CMY	0.9997, 0.2784, 0.6314
CMYK	1.00, 0.00, 0.49, 0.28
HSL	151°, 100%, 36%
HSV	151°, 100%, 72%
XYZ	19.1613, 35.0891, 16.3514
YIQ	118.7240, -80.7740, -66.9980

Conversions

Conversions Part 2

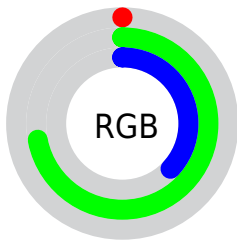
Format	Color
RYB	0, 122, 184
Decimal	47198
CIELab	65.82, -59.48, 34.76
CIELCh	66, 68.896, 149.701
Yxy	35.0891, 0.2714, 0.4970
Android (android.graphics.Color)	4278237278 (0xFF00B85E)
YUV	118.7240, -12.1889, -104.1209
Hunter-Lab	59.2361, -45.9230, 25.0990

Details

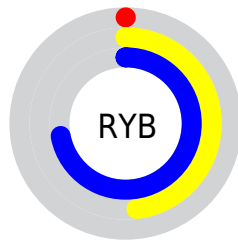
The Yxy color **35.0891, 0.2714, 0.4970** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.9320, 0.5003, 0.2530**, and the grayscale version is **18.4226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4727, 0.2821, 0.4591**, and **15.8900, 0.2839, 0.5419** is the 20% darker color. If you saturate the color by 10%, you get **35.0893, 0.2714, 0.4971**, and if you desaturate by 10%, it is **35.3945, 0.2687, 0.4792**.

Distribution



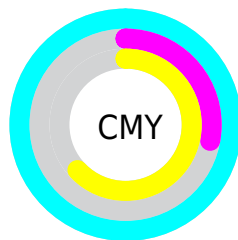
- Red (0%)
- Green (72%)
- Blue (37%)



- Red (0%)
- Yellow (48%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0891, 0.2714, 0.4970 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 35.0891, 0.2714, 0.4970 by changing the saturation by 10% instead.


 35.0891, 0.2714,
0.4970


 35.0891, 0.2714,
0.4970


 324.9614, 0.2972,
0.4019


 23.7315, 0.2629,
0.5246


 67.6238, 0.2822,
0.4596


 15.1346, 0.2504,
0.5622


 89.5697, 0.2858,
0.4464

 8.9139, 0.2312,
0.6159


 115.8138, 0.2887,
0.4356

 4.6851, 0.1997,
0.6986

 146.7405, 0.2910,
0.4266

 2.0637, 0.0933,
0.9067

 182.7342, 0.2929,
0.4190

 0.6441, 0.0000,
1.0000

 224.1794, 0.2946,

 0.0000, 0.0000,

0.4125

0.0000

271.4603, 0.2960,
0.4068

■ 35.0891, 0.2714,
0.4970

■ 35.0891, 0.2714,
0.4970

■ 35.0893, 0.2714,
0.4971

■ 35.3945, 0.2687,
0.4792

■ 35.8430, 0.2676,
0.4606

■ 36.4828, 0.2685,
0.4415

■ 37.3372, 0.2712,
0.4225

■ 38.4261, 0.2757,
0.4040

■ 39.7668, 0.2816,
0.3864

■ 41.3751, 0.2885,
0.3700

■ 43.2655, 0.2962,
0.3549

■ 45.4512, 0.3044,
0.3412

Harmonies

Analogous

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



35.0891, 0.3670, 0.5241



35.0891, 0.2714, 0.4970



35.0891, 0.1922, 0.3882

Triad

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



35.0891, 0.2714, 0.4970



35.0891, 0.1711, 0.1806



35.0891, 0.5078, 0.3339

Complementary

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



35.0891, 0.2714, 0.4970



10.9320, 0.5003, 0.2530

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.



35.0891, 0.4363, 0.2688



35.0891, 0.2714, 0.4970



35.0891, 0.2322, 0.1852

Square

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



35.0891, 0.2714, 0.4970



35.0891, 0.1443, 0.2073



35.0891, 0.3280, 0.2162



35.0891, 0.5100, 0.4047

Rectangle

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



35.0891, 0.2714, 0.4970



35.0891, 0.1596, 0.3090



35.0891, 0.3280, 0.2162



35.0891, 0.4911, 0.3113

Sweetspot

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



35.0905, 0.2714, 0.4970



74.8296, 0.2881, 0.3708



36.5595, 0.3366, 0.5709



15.8582, 0.2851, 0.3776



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.



35.0905, 0.2714, 0.4970



63.5587, 0.2722, 0.4999



37.7432, 0.2247, 0.3287



10.1346, 0.3049, 0.3404



24.1970, 0.2708, 0.4949



0.8655, 0.2578, 0.4481

Inverse Universe

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



10.9320, 0.5003, 0.2530



19.7643, 0.5040, 0.2550



10.1925, 0.6400, 0.3300



9.0835, 0.3213, 0.3179



7.5466, 0.4976, 0.2515



0.2786, 0.4404, 0.2200

Previews

White Background



This preview shows how the Yxy color 35.0891, 0.2714, 0.4970 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 35.0891, 0.2714, 0.4970 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 35.0891, 0.2714, 0.4970

Background



This preview shows how black text looks on a background with the Yxy color 35.0891, 0.2714, 0.4970.



This preview shows how white text looks on a background with the Yxy color 35.0891, 0.2714, 0.4970.

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

35.0891, 0.2714, 0.4970

Protanopia

34.5661, 0.3971, 0.4327

Deuteranopia

34.4921, 0.4037, 0.3965



Tritanopia

35.2050, 0.2327, 0.3064

Trichromacy



Original Color

35.0891, 0.2714, 0.4970



Protanomaly

32.0894, 0.3251, 0.4674



Deuteranomaly

31.5893, 0.3280, 0.4399



Tritanomaly

34.7318, 0.2439, 0.3709

Monochromacy



Original Color

35.0891, 0.2714, 0.4970



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.3072, 0.2781, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0891, 0.2714, 0.4970 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 94) }
```

Border

The CSS property to change the border of an element to Yxy 35.0891, 0.2714, 0.4970 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, 94) }
```

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

```
.border{ border-color:rgb(0, 184, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.0891, 0.2714, 0.4970 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, 94) }
```

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

```
.background{ background-color: rgb(0, 184,  
94) }
```

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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