

Converting Colors

$Y_{xy}(35.8937, 0.3273, 0.4985)$

Have a look what the booklet for
Yxy(35.8937, 0.3273, 0.4985)
contains.

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Color

Yxy(35.9501, 0.3275, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	6CB34C
RGB	108, 179, 76
RGB Percent	42%, 70%, 30%
CMY	0.5765, 0.2980, 0.7020
CMYK	0.40, 0.00, 0.58, 0.30
HSL	101°, 40%, 50%
HSV	101°, 58%, 70%
XYZ	23.6087, 35.9501, 12.5288
YIQ	146.0290, -9.2530, -47.0850

Conversions

Conversions Part 2

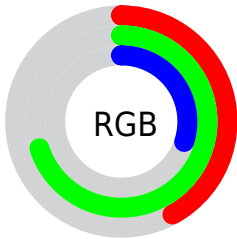
Format	Color
RYB	76, 179, 147
Decimal	7123788
CIELab	66.48, -41.22, 44.93
CIElCh	66, 60.977, 132.534
Yxy	35.9501, 0.3275, 0.4987
Android (android.graphics.Color)	4285313868 (0xFF6CB34C)
YUV	146.0290, -34.5243, -33.3514
Hunter-Lab	59.9584, -34.6426, 29.5817

Details

The Yxy color **35.9501, 0.3275, 0.4987** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.6232, 0.2786, 0.1791**, and the grayscale version is **28.9045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7617, 0.3278, 0.4627**, and **15.7405, 0.3222, 0.5583** is the 20% darker color. If you saturate the color by 10%, you get **35.0168, 0.3268, 0.5280**, and if you desaturate by 10%, it is **37.0652, 0.3268, 0.4671**.

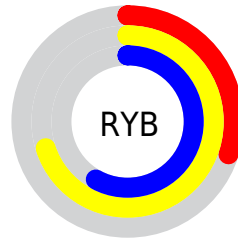
Distribution



Red (42%)

Green (70%)

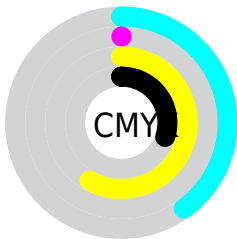
Blue (30%)



Red (30%)

Yellow (70%)

Blue (58%)

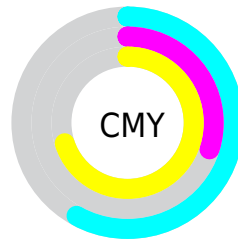


Cyan (40%)

Magenta (0%)

Yellow (58%)

Black (30%)



Cyan (58%)


Magenta (30%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9501, 0.3275, 0.4987 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 35.9501, 0.3275, 0.4987 by changing the saturation by 10% instead.

 35.9501, 0.3275,
0.4987


 35.9501, 0.3275,
0.4987


328.7424, 0.3247,
0.4053

 24.3957, 0.3259,
0.5242


 68.9550, 0.3280,
0.4630


 15.6274, 0.3220,
0.5577


 91.1743, 0.3277,
0.4501

 9.2609, 0.3134,
0.6029


 117.7174, 0.3272,
0.4394

 4.9117, 0.3044,
0.6884

 148.9685, 0.3267,
0.4304

 2.1956, 0.2490,
0.7510

 185.3122, 0.3262,
0.4227

 0.7176, 0.0000,
1.0000

227.1328, 0.3257,

 0.0000, 0.0000,

0.4161

0.0000

274.8147, 0.3252,
0.4104

■ 35.9501, 0.3275,
0.4987

■ 35.9501, 0.3275,
0.4987

■ 35.0168, 0.3268,
0.5280

■ 37.0652, 0.3268,
0.4671

■ 34.2502, 0.3246,
0.5531

■ 38.3671, 0.3249,
0.4351

■ 33.6401, 0.3210,
0.5723

■ 39.8660, 0.3223,
0.4039

■ 33.1706, 0.3163,
0.5852

■ 41.5701, 0.3190,
0.3746

■ 33.0720, 0.3152,
0.5879

■ 43.4873, 0.3155,
0.3476

■ 45.6248, 0.3118,
0.3233

■ 47.9894, 0.3081,
0.3016

■ 50.5880, 0.3046,
0.2823

■ 53.4267, 0.3011,
0.2653

Harmonies

Analogous

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



35.9501, 0.4113, 0.4849



35.9501, 0.3275, 0.4987



35.9501, 0.2443, 0.4393

Triad

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



35.9501, 0.3275, 0.4987



35.9501, 0.1670, 0.2059



35.9501, 0.4549, 0.3008

Complementary

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



35.9501, 0.3275, 0.4987



14.6232, 0.2786, 0.1791

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.



35.9501, 0.3686, 0.2461



35.9501, 0.3275, 0.4987



35.9501, 0.2052, 0.1935

Square

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



35.9501, 0.3275, 0.4987



35.9501, 0.1596, 0.2519



35.9501, 0.2751, 0.2082



35.9501, 0.4942, 0.3639

Rectangle

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



35.9501, 0.3275, 0.4987



35.9501, 0.2008, 0.3714



35.9501, 0.2751, 0.2082



35.9501, 0.4296, 0.2812

Sweetspot

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



35.9516, 0.3275, 0.4987



74.5334, 0.3189, 0.3738



30.7811, 0.4188, 0.4264



16.3722, 0.3196, 0.3794



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.9516, 0.3275, 0.4987



62.3241, 0.3264, 0.5350



34.6014, 0.2934, 0.4798



9.6139, 0.3161, 0.3522



23.4000, 0.3160, 0.5873



0.7680, 0.3391, 0.5690

Inverse Universe

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



14.6232, 0.2786, 0.1791



20.4353, 0.2683, 0.1513



17.2930, 0.3440, 0.2161



8.5116, 0.3090, 0.3062



5.3303, 0.2447, 0.1122



0.1969, 0.2668, 0.1244

Previews

White Background



This preview shows how the Yxy color 35.9501, 0.3275, 0.4987 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 35.9501, 0.3275, 0.4987 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 35.9501, 0.3275, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 35.9501, 0.3275, 0.4987.



This preview shows how white text looks on a background with the Yxy color 35.9501, 0.3275, 0.4987.

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

35.9501, 0.3275, 0.4987

Protanopia

35.5156, 0.4112, 0.4502

Deuteranopia

35.2773, 0.4265, 0.4182



Tritanopia

35.8183, 0.2668, 0.3077

Trichromacy



Original Color

35.9501, 0.3275, 0.4987

Protanomaly

35.2454, 0.3775, 0.4700

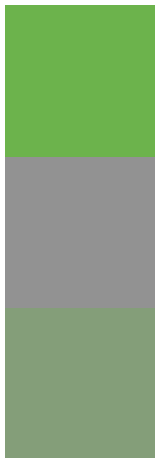
Deuteranomaly

34.4192, 0.3883, 0.4472

Tritanomaly

35.4102, 0.2903, 0.3763

Monochromacy



Original Color

35.9501, 0.3275, 0.4987

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.7397, 0.3204, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9501, 0.3275, 0.4987 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(108, 179, 76)` looks like.

```
.text, #text, p{  
    color:rgb(108, 179, 76)  
}
```

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(108, 179, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 179, 76) }
```

Border

The CSS property to change the border of an element to Yxy 35.9501, 0.3275, 0.4987 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(108, 179, 76) }
```

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

```
.border{ border-color:rgb(108, 179, 76) }
```

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

Here you see how a box with a 4 pixel rgb(108, 179, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 179, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 179, 76);  
box-shadow:4px 4px 4px 4px rgb(108, 179,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9501, 0.3275, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 179, 76) }
```

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

```
.background{ background-color: rgb(108,  
179, 76) }
```

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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