

Converting Colors

$Yxy(35.1921, 0.2927, 0.4885)$

Have a look what the booklet for
Yxy(35.1921, 0.2927, 0.4885)
contains.

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Color

Yxy(35.1600, 0.2924, 0.4882)

Conversions

Conversions Part 1

Format	Color
Hex	47B55C
RGB	71, 181, 92
RGB Percent	28%, 71%, 36%
CMY	0.7212, 0.2902, 0.6392
CMYK	0.61, 0.00, 0.49, 0.29
HSL	131°, 44%, 49%
HSV	131°, 61%, 71%
XYZ	21.0585, 35.1600, 15.8011
YIQ	137.9640, -36.9910, -50.9990

Conversions

Conversions Part 2

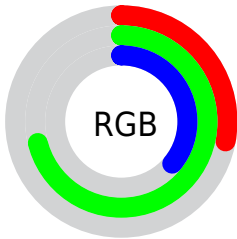
Format	Color
RYB	71, 163, 181
Decimal	4699484
CIELab	65.87, -50.35, 36.06
CIELCh	66, 61.930, 144.390
Yxy	35.1600, 0.2924, 0.4882
Android (android.graphics.Color)	4282889564 (0xFF47B55C)
YUV	137.9640, -22.6603, -58.7274
Hunter-Lab	59.2959, -40.3746, 25.7076

Details

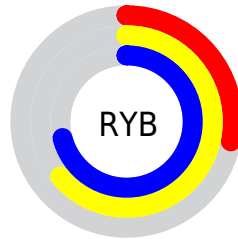
The Yxy color **35.1600, 0.2924, 0.4882** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **16.8813, 0.3474, 0.2120**, and the grayscale version is **25.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9085, 0.2991, 0.4532**, and **15.3532, 0.2845, 0.5444** is the 20% darker color. If you saturate the color by 10%, you get **34.3431, 0.2914, 0.5174**, and if you desaturate by 10%, it is **36.2332, 0.2945, 0.4580**.

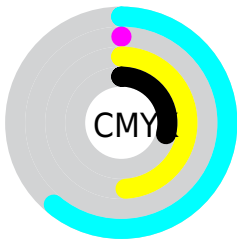
Distribution



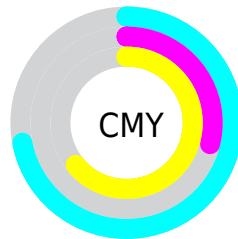
- Red (28%)
- Green (71%)
- Blue (36%)



- Red (28%)
- Yellow (64%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)





- Cyan (72%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1600, 0.2924, 0.4882 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 35.1600, 0.2924, 0.4882 by changing the saturation by 10% instead.


 35.1600, 0.2924,
0.4882


 35.1600, 0.2924,
0.4882

325.2740, 0.3069,
0.3988


 23.7862, 0.2868,
0.5138


 67.7336, 0.2990,
0.4533

 15.1751, 0.2783,
0.5485


 89.7021, 0.3010,
0.4409

 8.9423, 0.2642,
0.5975


 115.9709, 0.3026,
0.4308

 4.7036, 0.2402,
0.6741

 146.9245, 0.3039,
0.4223

 2.0744, 0.1754,
0.8246

 182.9472, 0.3049,
0.4151

 0.6502, 0.0000,
1.0000

224.4234, 0.3057,

 0.0000, 0.0000,

0.4089

0.0000

271.7375, 0.3064,
0.4035

■ 35.1600, 0.2924,
0.4882

■ 35.1600, 0.2924,
0.4882

■ 34.3431, 0.2914,
0.5174

■ 36.2332, 0.2945,
0.4580

■ 33.7567, 0.2916,
0.5438

■ 37.5775, 0.2974,
0.4283

■ 33.3769, 0.2930,
0.5658

■ 39.2114, 0.3008,
0.4002

■ 33.1641, 0.2948,
0.5814

■ 41.1508, 0.3046,
0.3743

■ 43.4103, 0.3085,
0.3510

■ 46.0036, 0.3124,
0.3304

■ 48.9435, 0.3162,
0.3123

■ 52.2422, 0.3198,
0.2965

■ 55.9113, 0.3232,
0.2828

Harmonies

Analogous

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



35.1600, 0.3803, 0.5015



35.1600, 0.2924, 0.4882



35.1600, 0.2147, 0.4018

Triad

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



35.1600, 0.2924, 0.4882



35.1600, 0.1759, 0.1949



35.1600, 0.4814, 0.3246

Complementary

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



35.1600, 0.2924, 0.4882



16.8813, 0.3474, 0.2120

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.



35.1600, 0.4080, 0.2649



35.1600, 0.2924, 0.4882



35.1600, 0.2273, 0.1939

Square

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



35.1600, 0.2924, 0.4882



35.1600, 0.1561, 0.2269



35.1600, 0.3101, 0.2187



35.1600, 0.4966, 0.3902

Rectangle

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



35.1600, 0.2924, 0.4882



35.1600, 0.1794, 0.3302



35.1600, 0.3101, 0.2187



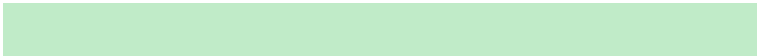
35.1600, 0.4624, 0.3037

Sweetspot

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



35.1615, 0.2924, 0.4882



74.6322, 0.3056, 0.3684



41.0630, 0.3777, 0.4798



15.8939, 0.3045, 0.3754



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.



35.1615, 0.2924, 0.4882



61.0992, 0.2913, 0.5270



36.4700, 0.2593, 0.3887



9.5156, 0.3091, 0.3480



22.8717, 0.2943, 0.5796



0.7275, 0.2806, 0.5302

Inverse Universe

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



16.8813, 0.3474, 0.2120



25.4520, 0.3573, 0.1952



15.3787, 0.4379, 0.2817



8.6184, 0.3166, 0.3108



8.2246, 0.3749, 0.1839



0.2659, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 35.1600, 0.2924, 0.4882 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 35.1600, 0.2924, 0.4882 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 35.1600, 0.2924, 0.4882

Background



This preview shows how black text looks on a background with the Yxy color 35.1600, 0.2924, 0.4882.



This preview shows how white text looks on a background with the Yxy color 35.1600, 0.2924, 0.4882.

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

35.1600, 0.2924, 0.4882

Protanopia

34.5503, 0.3979, 0.4340

Deuteranopia

34.5638, 0.4076, 0.4000



Tritanopia

35.1154, 0.2459, 0.3068

Trichromacy



Original Color

35.1600, 0.2924, 0.4882



Protanomaly

33.6439, 0.3511, 0.4568



Deuteranomaly

33.3348, 0.3570, 0.4340



Tritanomaly

34.9205, 0.2630, 0.3696

Monochromacy



Original Color

35.1600, 0.2924, 0.4882



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.0691, 0.3033, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1600, 0.2924, 0.4882 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(71, 181, 92)` looks like.

```
.text, #text, p{  
    color:rgb(71, 181, 92)  
}
```

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(71, 181, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 181, 92) }
```

Border

The CSS property to change the border of an element to Yxy 35.1600, 0.2924, 0.4882 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(71, 181, 92) }
```

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

```
.border{ border-color:rgb(71, 181, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 181, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 181, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 181, 92);  
box-shadow:4px 4px 4px 4px rgb(71, 181,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1600, 0.2924, 0.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 181, 92) }
```

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

```
.background{ background-color: rgb(71, 181,  
92) }
```

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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