

Converting Colors

$Y_{xy}(35.3992, 0.2905, 0.5411)$

Have a look what the booklet for
Yxy(35.3992, 0.2905, 0.5411)
contains.

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Color

Yxy(35.4486, 0.2906, 0.5415)

Conversions

Conversions Part 1

Format	Color
Hex	23B942
RGB	35, 185, 66
RGB Percent	14%, 73%, 26%
CMY	0.8629, 0.2745, 0.7412
CMYK	0.81, 0.00, 0.64, 0.27
HSL	132°, 68%, 43%
HSV	132°, 81%, 73%
XYZ	19.0238, 35.4486, 10.9914
YIQ	126.5840, -51.2010, -68.8090

Conversions

Conversions Part 2

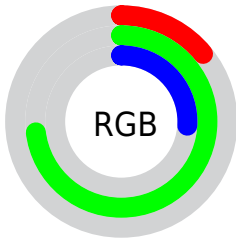
Format	Color
RYB	35, 159, 185
Decimal	2341186
CIELab	66.10, -61.39, 48.42
CIElCh	66, 78.187, 141.734
Yxy	35.4486, 0.2906, 0.5415
Android (android.graphics.Color)	4280531266 (0xFF23B942)
YUV	126.5840, -29.8679, -80.3192
Hunter-Lab	59.5387, -47.1586, 30.7317

Details

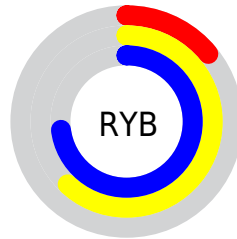
The Yxy color **35.4486, 0.2906, 0.5415** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **13.8461, 0.3666, 0.1920**, and the grayscale version is **21.1858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0243, 0.2997, 0.4940**, and **15.9762, 0.2990, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **35.0564, 0.2922, 0.5635**, and if you desaturate by 10%, it is **36.0586, 0.2903, 0.5153**.

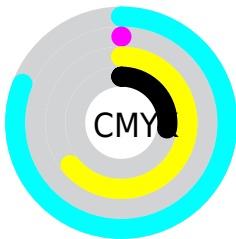
Distribution



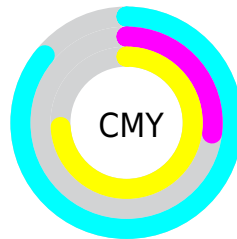
- Red (14%)
- Green (73%)
- Blue (26%)



- Red (14%)
- Yellow (62%)
- Blue (73%)



- Cyan (81%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)





- Cyan (86%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4486, 0.2906, 0.5415 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 35.4486, 0.2906, 0.5415 by changing the saturation by 10% instead.

 35.4486, 0.2906,
0.5415


 35.4486, 0.2906,
0.5415


326.5440, 0.3093,
0.4217

 24.0086, 0.2825,
0.5751


 68.1801, 0.2997,
0.4950

 15.3400, 0.2695,
0.6196


 90.2405, 0.3024,
0.4783


 9.0584, 0.2478,
0.6797


 116.6098, 0.3044,
0.4646

 4.7793, 0.2159,
0.7841

 147.6724, 0.3059,
0.4532

 2.1183, 0.0843,
0.9157

 183.8128, 0.3071,
0.4435

 0.6749, 0.0000,
1.0000

225.4152, 0.3080,

 0.0000, 0.0000,

0.4352

0.0000

272.8642, 0.3087,
0.4280

■ 35.4486, 0.2906,
0.5415

■ 35.4486, 0.2906,
0.5415

■ 35.0564, 0.2922,
0.5635

■ 36.0586, 0.2903,
0.5153

■ 34.8421, 0.2941,
0.5788

■ 36.9086, 0.2913,
0.4864

■ 38.0227, 0.2934,
0.4567

■ 39.4211, 0.2964,
0.4275

■ 41.1217, 0.3000,
0.3998

■ 43.1411, 0.3040,
0.3744

■ 45.4947, 0.3081,
0.3514

■ 48.1966, 0.3123,
0.3311

■ 51.2605, 0.3163,
0.3132

Harmonies

Analogous

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



35.4486, 0.3953, 0.5372



35.4486, 0.2906, 0.5415



35.4486, 0.1969, 0.4342

Triad

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



35.4486, 0.2906, 0.5415



35.4486, 0.1464, 0.1697



35.4486, 0.5181, 0.3113

Complementary

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



35.4486, 0.2906, 0.5415



13.8461, 0.3666, 0.1920

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.



35.4486, 0.4206, 0.2445



35.4486, 0.2906, 0.5415



35.4486, 0.2014, 0.1674

Square

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



35.4486, 0.2906, 0.5415



35.4486, 0.1268, 0.2075



35.4486, 0.2972, 0.1935



35.4486, 0.5383, 0.3855

Rectangle

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



35.4486, 0.2906, 0.5415



35.4486, 0.1547, 0.3383



35.4486, 0.2972, 0.1935



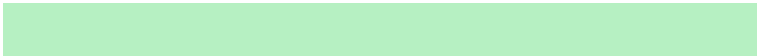
35.4486, 0.4926, 0.2880

Sweetspot

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



35.4501, 0.2906, 0.5415



76.0080, 0.3027, 0.3825



41.7895, 0.3850, 0.5161



16.1102, 0.3012, 0.3915



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.



35.4501, 0.2906, 0.5415



62.4687, 0.2940, 0.5765



36.9500, 0.2518, 0.4085



10.0897, 0.3089, 0.3476



23.7314, 0.2936, 0.5770



0.8456, 0.2801, 0.5285

Inverse Universe

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



13.8461, 0.3666, 0.1920



22.4172, 0.3802, 0.1878



12.0927, 0.5141, 0.2819



9.1300, 0.3168, 0.3111



8.4626, 0.3804, 0.1869



0.3065, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 35.4486, 0.2906, 0.5415 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 35.4486, 0.2906, 0.5415 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 35.4486, 0.2906, 0.5415

Background



This preview shows how black text looks on a background with the Yxy color 35.4486, 0.2906, 0.5415.



This preview shows how white text looks on a background with the Yxy color 35.4486, 0.2906, 0.5415.

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

35.4486, 0.2906, 0.5415

Protanopia

34.9224, 0.4182, 0.4604

Deuteranopia

34.7140, 0.4321, 0.4250



Tritanopia

35.2243, 0.2376, 0.3066

Trichromacy



Original Color

35.4486, 0.2906, 0.5415



Protanomaly

33.1594, 0.3556, 0.4984



Deuteranomaly

32.3372, 0.3633, 0.4744



Tritanomaly

34.5174, 0.2568, 0.3889

Monochromacy



Original Color

35.4486, 0.2906, 0.5415



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.5794, 0.2984, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4486, 0.2906, 0.5415 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(35, 185, 66)` looks like.

```
.text, #text, p{  
    color:rgb(35, 185, 66)  
}
```

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(35, 185, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 185, 66) }
```

Border

The CSS property to change the border of an element to Yxy 35.4486, 0.2906, 0.5415 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(35, 185, 66) }
```

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

```
.border{ border-color:rgb(35, 185, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 185, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 185, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 185, 66);  
box-shadow:4px 4px 4px 4px rgb(35, 185,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4486, 0.2906, 0.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 185, 66) }
```

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

```
.background{ background-color: rgb(35, 185,  
66) }
```

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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