

Converting Colors

$Yxy(36.3174, 0.2931, 0.5127)$

Have a look what the booklet for
Yxy(36.3174, 0.2931, 0.5127)
contains.

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Color

Yxy(36.2841, 0.2935, 0.5129)

Conversions

Conversions Part 1

Format	Color
Hex	3DB951
RGB	61, 185, 81
RGB Percent	24%, 73%, 32%
CMY	0.7604, 0.2745, 0.6823
CMYK	0.67, 0.00, 0.56, 0.27
HSL	130°, 50%, 48%
HSV	130°, 67%, 73%
XYZ	20.7631, 36.2841, 13.6959
YIQ	136.0680, -40.5200, -58.6320

Conversions

Conversions Part 2

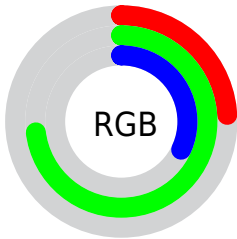
Format	Color
RYB	61, 168, 185
Decimal	4045137
CIELab	66.74, -55.49, 42.44
CIELCh	67, 69.861, 142.591
Yxy	36.2841, 0.2935, 0.5129
Android (android.graphics.Color)	4282235217 (0xFF3DB951)
YUV	136.0680, -27.1485, -65.8346
Hunter-Lab	60.2363, -43.8856, 28.6847

Details

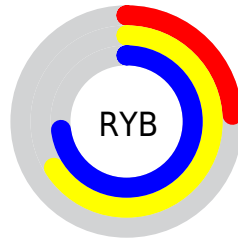
The Yxy color **36.2841, 0.2935, 0.5129** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.3804, 0.3467, 0.1994**, and the grayscale version is **24.7727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4087, 0.3007, 0.4727**, and **16.3263, 0.2918, 0.5705** is the 20% darker color. If you saturate the color by 10%, you get **35.5885, 0.2932, 0.5408**, and if you desaturate by 10%, it is **37.2385, 0.2949, 0.4825**.

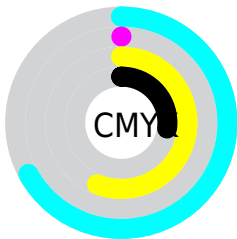
Distribution



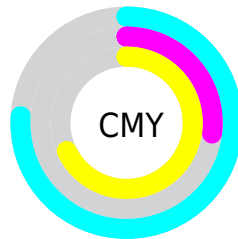
- Red (24%)
- Green (73%)
- Blue (32%)



- Red (24%)
- Yellow (66%)
- Blue (73%)



- Cyan (67%)
- Magenta (0%)
- Yellow (56%)
- Black (27%)





- Cyan (76%)
- Magenta (27%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2841, 0.2935, 0.5129 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 36.2841, 0.2935, 0.5129 by changing the saturation by 10% instead.


 36.2841, 0.2935,
0.5129


 36.2841, 0.2935,
0.5129


330.2006, 0.3088,
0.4098

 24.6537, 0.2872,
0.5420


 69.4703, 0.3008,
0.4729


 15.8192, 0.2772,
0.5809


 91.7950, 0.3029,
0.4586


 9.3963, 0.2605,
0.6347


 118.4531, 0.3046,
0.4468

 5.0006, 0.2358,
0.7271

 149.8292, 0.3058,
0.4370

 2.2476, 0.1531,
0.8469

 186.3076, 0.3068,
0.4287

 0.7458, 0.0000,
1.0000

228.2727, 0.3076,

 0.0000, 0.0000,

0.4215

0.0000

276.1089, 0.3083,
0.4153

■ 36.2841, 0.2935,
0.5129

■ 36.2841, 0.2935,
0.5129

■ 35.5885, 0.2932,
0.5408

■ 37.2385, 0.2949,
0.4825

■ 35.1216, 0.2940,
0.5642

■ 38.4693, 0.2971,
0.4514

■ 34.8504, 0.2957,
0.5818

■ 39.9976, 0.3000,
0.4210

■ 34.7888, 0.2961,
0.5860

■ 41.8413, 0.3033,
0.3926

■ 44.0168, 0.3068,
0.3667

■ 46.5395, 0.3103,
0.3435

■ 49.4236, 0.3137,
0.3231

■ 52.6827, 0.3170,
0.3053

■ 56.3296, 0.3201,
0.2898

Harmonies

Analogous

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



36.2841, 0.3893, 0.5180



36.2841, 0.2935, 0.5129



36.2841, 0.2078, 0.4180

Triad

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



36.2841, 0.2935, 0.5129



36.2841, 0.1615, 0.1835



36.2841, 0.4972, 0.3177

Complementary

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



36.2841, 0.2935, 0.5129



16.3804, 0.3467, 0.1994

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.



36.2841, 0.4122, 0.2546



36.2841, 0.2935, 0.5129



36.2841, 0.2142, 0.1813

Square

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



36.2841, 0.2935, 0.5129



36.2841, 0.1423, 0.2189



36.2841, 0.3027, 0.2064



36.2841, 0.5162, 0.3876

Rectangle

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



36.2841, 0.2935, 0.5129



36.2841, 0.1688, 0.3357



36.2841, 0.3027, 0.2064



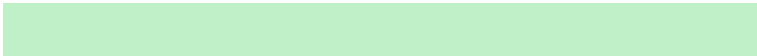
36.2841, 0.4749, 0.2956

Sweetspot

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



36.2856, 0.2935, 0.5129



77.4641, 0.3056, 0.3751



43.1856, 0.3857, 0.4898



16.4646, 0.3046, 0.3823



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.



36.2856, 0.2935, 0.5129



63.3318, 0.2934, 0.5516



37.6332, 0.2589, 0.4038



10.0830, 0.3095, 0.3487



23.6964, 0.2957, 0.5844



0.8428, 0.2841, 0.5427

Inverse Universe

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



16.3804, 0.3467, 0.1994



25.1787, 0.3555, 0.1850



14.6699, 0.4511, 0.2735



9.1373, 0.3161, 0.3100



8.6494, 0.3656, 0.1788



0.3116, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 36.2841, 0.2935, 0.5129 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 36.2841, 0.2935, 0.5129 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 36.2841, 0.2935, 0.5129

Background



This preview shows how black text looks on a background with the Yxy color 36.2841, 0.2935, 0.5129.



This preview shows how white text looks on a background with the Yxy color 36.2841, 0.2935, 0.5129.

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

36.2841, 0.2935, 0.5129

Protanopia

35.5545, 0.4091, 0.4470

Deuteranopia

35.7197, 0.4197, 0.4115



Tritanopia

36.1783, 0.2429, 0.3070

Trichromacy



Original Color

36.2841, 0.2935, 0.5129



Protanomaly

34.5055, 0.3564, 0.4761



Deuteranomaly

33.8943, 0.3632, 0.4495



Tritanomaly

35.7600, 0.2617, 0.3783

Monochromacy



Original Color

36.2841, 0.2935, 0.5129



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.6234, 0.3029, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2841, 0.2935, 0.5129 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(61, 185, 81)` looks like.

```
.text, #text, p{  
    color:rgb(61, 185, 81)  
}
```

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(61, 185, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 185, 81) }
```

Border

The CSS property to change the border of an element to Yxy 36.2841, 0.2935, 0.5129 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(61, 185, 81) }
```

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

```
.border{ border-color:rgb(61, 185, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 185, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 185, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 185, 81);  
box-shadow:4px 4px 4px 4px rgb(61, 185,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2841, 0.2935, 0.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 185, 81) }
```

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

```
.background{ background-color: rgb(61, 185,  
81) }
```

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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