

Converting Colors

$Y_{xy}(37.3144, 0.2847, 0.5418)$

Have a look what the booklet for
Yxy(37.3144, 0.2847, 0.5418)
contains.

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Color

Yxy(37.3143, 0.2846, 0.5417)

Conversions

Conversions Part 1

Format	Color
Hex	07BE46
RGB	7, 190, 70
RGB Percent	3%, 75%, 27%
CMY	0.9736, 0.2549, 0.7254
CMYK	0.96, 0.00, 0.63, 0.25
HSL	141°, 93%, 39%
HSV	141°, 96%, 75%
XYZ	19.6043, 37.3143, 11.9651
YIQ	121.6030, -70.5480, -76.1160

Conversions

Conversions Part 2

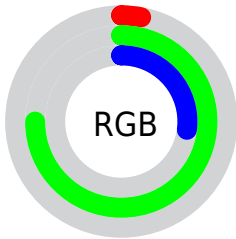
Format	Color
RYB	7, 143, 190
Decimal	507462
CIELab	67.51, -64.55, 48.19
CIELCh	68, 80.551, 143.255
Yxy	37.3143, 0.2846, 0.5417
Android (android.graphics.Color)	4278697542 (0xFF07BE46)
YUV	121.6030, -25.4403, -100.5068
Hunter-Lab	61.0854, -49.6131, 31.1464

Details

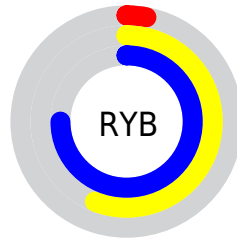
The Yxy color **37.3143, 0.2846, 0.5417** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.6194, 0.4270, 0.2145**, and the grayscale version is **19.4019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2742, 0.2946, 0.4952**, and **17.3545, 0.2977, 0.5919** is the 20% darker color. If you saturate the color by 10%, you get **37.2187, 0.2857, 0.5485**, and if you desaturate by 10%, it is **37.6623, 0.2818, 0.5209**.

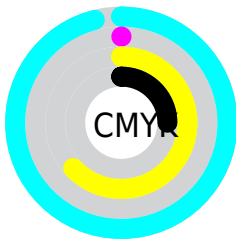
Distribution



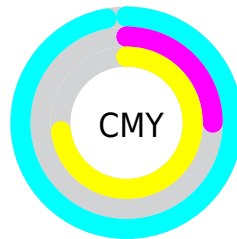
- Red (3%)
- Green (75%)
- Blue (27%)



- Red (3%)
- Yellow (56%)
- Blue (75%)



- Cyan (96%)
- Magenta (0%)
- Yellow (63%)
- Black (25%)





- Cyan (97%)
- Magenta (25%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3143, 0.2846, 0.5417 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 37.3143, 0.2846, 0.5417 by changing the saturation by 10% instead.


 37.3143, 0.2846,
0.5417


 37.3143, 0.2846,
0.5417


334.6693, 0.3062,
0.4223

 25.4509, 0.2759,
0.5750


 71.0559, 0.2947,
0.4955


 16.4133, 0.2626,
0.6191


 93.7030, 0.2978,
0.4789


 9.8171, 0.2409,
0.6786


 120.7133, 0.3001,
0.4653

 5.2779, 0.2114,
0.7886

 152.4715, 0.3019,
0.4539

 2.4112, 0.0997,
0.9003

 189.3617, 0.3033,
0.4442

 0.8316, 0.0000,
1.0000

231.7685, 0.3045,

 0.0000, 0.0000,

0.4358

0.0000

280.0762, 0.3054,
0.4286

■ 37.3143, 0.2846,
0.5417

■ 37.3143, 0.2846,
0.5417

■ 37.2187, 0.2857,
0.5485

■ 37.6623, 0.2818,
0.5209

■ 38.2062, 0.2806,
0.4975

■ 38.9797, 0.2811,
0.4727

■ 40.0076, 0.2833,
0.4474

■ 41.3112, 0.2869,
0.4226

■ 42.9097, 0.2915,
0.3990

■ 44.8203, 0.2969,
0.3772

■ 47.0589, 0.3027,
0.3573

■ 49.6405, 0.3088,
0.3394

Harmonies

Analogous

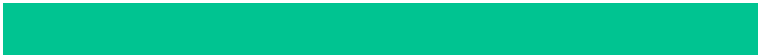
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3143, 0.3903, 0.5420



37.3143, 0.2846, 0.5417



37.3143, 0.1915, 0.4282

Triad

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



37.3143, 0.2846, 0.5417



37.3143, 0.1468, 0.1673



37.3143, 0.5237, 0.3144

Complementary

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



37.3143, 0.2846, 0.5417



12.6194, 0.4270, 0.2145

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.



37.3143, 0.4281, 0.2467



37.3143, 0.2846, 0.5417



37.3143, 0.2041, 0.1666

Square

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



37.3143, 0.2846, 0.5417



37.3143, 0.1254, 0.2030



37.3143, 0.3028, 0.1943



37.3143, 0.5395, 0.3893

Rectangle

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



37.3143, 0.2846, 0.5417



37.3143, 0.1507, 0.3313



37.3143, 0.3028, 0.1943



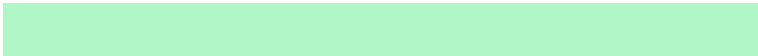
37.3143, 0.4993, 0.2909

Sweetspot

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



37.3158, 0.2846, 0.5417



80.1097, 0.2952, 0.3836



41.5053, 0.3629, 0.5479



17.2639, 0.2929, 0.3930



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.3158, 0.2846, 0.5417



67.3981, 0.2865, 0.5513



39.3927, 0.2396, 0.3806



10.7026, 0.3070, 0.3444



24.7598, 0.2850, 0.5460



0.9824, 0.2708, 0.4950

Inverse Universe

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



12.6194, 0.4270, 0.2145



22.4445, 0.4345, 0.2167



11.2296, 0.6068, 0.3147



9.6388, 0.3189, 0.3141



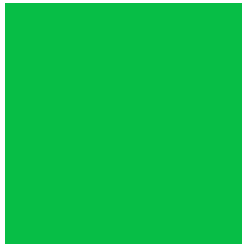
8.2688, 0.4304, 0.2145



0.3358, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 37.3143, 0.2846, 0.5417 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 37.3143, 0.2846, 0.5417 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 37.3143, 0.2846, 0.5417

Background



This preview shows how black text looks on a background with the Yxy color 37.3143, 0.2846, 0.5417.



This preview shows how white text looks on a background with the Yxy color 37.3143, 0.2846, 0.5417.

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

37.3143, 0.2846, 0.5417

Protanopia

36.4873, 0.4179, 0.4584

Deuteranopia

36.4543, 0.4306, 0.4209



Tritanopia

37.1831, 0.2346, 0.3069

Trichromacy



Original Color

37.3143, 0.2846, 0.5417



Protanomaly

34.1203, 0.3444, 0.5029



Deuteranomaly

33.2869, 0.3508, 0.4756



Tritanomaly

36.2978, 0.2506, 0.3881

Monochromacy



Original Color

37.3143, 0.2846, 0.5417



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.5522, 0.2877, 0.4186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3143, 0.2846, 0.5417 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(7, 190, 70)` looks like.

```
.text, #text, p{  
    color:rgb(7, 190, 70)  
}
```

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(7, 190, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 190, 70) }
```

Border

The CSS property to change the border of an element to Yxy 37.3143, 0.2846, 0.5417 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(7, 190, 70) }
```

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

```
.border{ border-color:rgb(7, 190, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 190, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 190, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 190, 70);  
box-shadow:4px 4px 4px 4px rgb(7, 190, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.3143, 0.2846, 0.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 190, 70) }
```

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

```
.background{ background-color: rgb(7, 190,  
70) }
```

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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