

Converting Colors

$Y_{xy}(36.1106, 0.2967, 0.5848)$

Have a look what the booklet for
Yxy(36.1106, 0.2967, 0.5848)
contains.

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Color

Yxy(36.1105, 0.2967, 0.5850)

Conversions

Conversions Part 1

Format	Color
Hex	07BC1F
RGB	7, 188, 31
RGB Percent	3%, 74%, 12%
CMY	0.9742, 0.2627, 0.8783
CMYK	0.96, 0.00, 0.83, 0.26
HSL	128°, 93%, 38%
HSV	128°, 96%, 74%
XYZ	18.3145, 36.1105, 7.3023
YIQ	115.9830, -57.4790, -87.1990

Conversions

Conversions Part 2

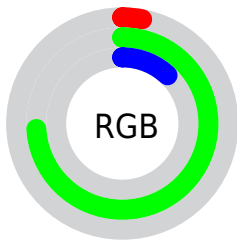
Format	Color
RYB	7, 167, 188
Decimal	506911
CIELab	66.60, -67.26, 61.16
CIElCh	67, 90.910, 137.717
Yxy	36.1105, 0.2967, 0.5850
Android (android.graphics.Color)	4278696991 (0xFF07BC1F)
YUV	115.9830, -41.8966, -95.5781
Hunter-Lab	60.0920, -50.7588, 34.8595

Details

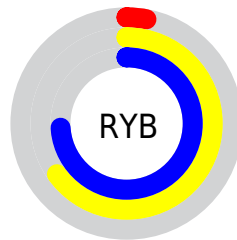
The Yxy color **36.1105, 0.2967, 0.5850** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.5004, 0.3566, 0.1752**, and the grayscale version is **17.5664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4336, 0.3074, 0.5307**, and **16.7751, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.0420, 0.2971, 0.5895**, and if you desaturate by 10%, it is **36.3897, 0.2953, 0.5681**.

Distribution



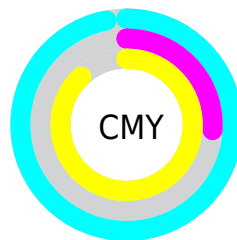
- Red (3%)
- Green (74%)
- Blue (12%)



- Red (3%)
- Yellow (65%)
- Blue (74%)



- Cyan (96%)
- Magenta (0%)
- Yellow (83%)
- Black (26%)





- Cyan (97%)
- Magenta (26%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1105, 0.2967, 0.5850 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 36.1105, 0.2967, 0.5850 by changing the saturation by 10% instead.


 36.1105, 0.2967,
0.5850


 36.1105, 0.2967,
0.5850


329.4433, 0.3163,
0.4422


 24.5196, 0.2865,
0.6228


 69.2026, 0.3075,
0.5307


 15.7195, 0.2698,
0.6708


 91.4725, 0.3104,
0.5109


 9.3259, 0.2458,
0.7433


 118.0709, 0.3124,
0.4944

 4.9543, 0.1948,
0.8052

 149.3821, 0.3138,
0.4806

 2.2205, 0.0453,
0.9547

 185.7905, 0.3148,
0.4688

 0.7311, 0.0000,
1.0000

 227.6806, 0.3155,

 0.0000, 0.0000,

0.4587

0.0000

275.4367, 0.3160,
0.4499

■ 36.1105, 0.2967,
0.5850

■ 36.1105, 0.2967,
0.5850

■ 36.0420, 0.2971,
0.5895

■ 36.3897, 0.2953,
0.5681

■ 36.8753, 0.2947,
0.5449

■ 37.6036, 0.2952,
0.5168

■ 38.6013, 0.2965,
0.4858

■ 39.8918, 0.2987,
0.4538

■ 41.4956, 0.3014,
0.4227

■ 43.4317, 0.3044,
0.3934

■ 45.7174, 0.3075,
0.3667

■ 48.3688, 0.3107,
0.3429

Harmonies

Analogous

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



36.1105, 0.4117, 0.5521



36.1105, 0.2967, 0.5850



36.1105, 0.1909, 0.4752

Triad

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



36.1105, 0.2967, 0.5850



36.1105, 0.1243, 0.1547



36.1105, 0.5378, 0.2945

Complementary

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



36.1105, 0.2967, 0.5850



13.5004, 0.3566, 0.1752

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.



36.1105, 0.4167, 0.2247



36.1105, 0.2967, 0.5850



36.1105, 0.1771, 0.1489

Square

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



36.1105, 0.2967, 0.5850



36.1105, 0.1077, 0.1994



36.1105, 0.2765, 0.1731



36.1105, 0.5686, 0.3718

Rectangle

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



36.1105, 0.2967, 0.5850



36.1105, 0.1420, 0.3585



36.1105, 0.2765, 0.1731



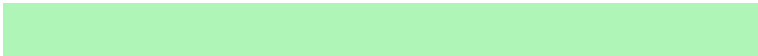
36.1105, 0.5051, 0.2701

Sweetspot

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



36.1120, 0.2967, 0.5850



77.5949, 0.3035, 0.4019



43.8582, 0.3961, 0.5218



16.3650, 0.3022, 0.4144



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.1120, 0.2967, 0.5850



65.2935, 0.2975, 0.5911



37.4054, 0.2587, 0.4491



10.6700, 0.3098, 0.3494



24.5431, 0.2967, 0.5881



0.9682, 0.2871, 0.5535

Inverse Universe

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



13.5004, 0.3566, 0.1752



24.1211, 0.3589, 0.1751



11.3181, 0.5412, 0.2782



9.6736, 0.3158, 0.3094



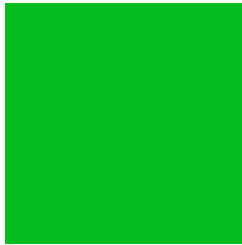
9.0797, 0.3577, 0.1744



0.3619, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 36.1105, 0.2967, 0.5850 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 36.1105, 0.2967, 0.5850 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 36.1105, 0.2967, 0.5850

Background



This preview shows how black text looks on a background with the Yxy color 36.1105, 0.2967, 0.5850.



This preview shows how white text looks on a background with the Yxy color 36.1105, 0.2967, 0.5850.

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

36.1105, 0.2967, 0.5850

Protanopia

35.3754, 0.4360, 0.4827

Deuteranopia

35.4303, 0.4539, 0.4460



Tritanopia

35.9538, 0.2359, 0.3067

Trichromacy



Original Color

36.1105, 0.2967, 0.5850



Protanomaly

33.0520, 0.3616, 0.5378



Deuteranomaly

32.1927, 0.3710, 0.5131



Tritanomaly

35.0385, 0.2596, 0.4152

Monochromacy



Original Color

36.1105, 0.2967, 0.5850



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.5384, 0.2988, 0.4503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1105, 0.2967, 0.5850 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, 188, 31)` looks like.

```
.text, #text, p{  
    color:rgb(7, 188, 31)  
}
```

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, 188, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 188, 31) }
```

Border

The CSS property to change the border of an element to Yxy 36.1105, 0.2967, 0.5850 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, 188, 31) }
```

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

```
.border{ border-color:rgb(7, 188, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 188, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 188, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 188, 31);  
box-shadow:4px 4px 4px 4px rgb(7, 188, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.1105, 0.2967, 0.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 188, 31) }
```

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

```
.background{ background-color: rgb(7, 188,  
31) }
```

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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