

Converting Colors

$Y_{xy}(37.2701, 0.2851, 0.5207)$

Have a look what the booklet for
Yxy(37.2701, 0.2851, 0.5207)
contains.

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Color

Yxy(37.4013, 0.2852, 0.5209)

Conversions

Conversions Part 1

Format	Color
Hex	26BD51
RGB	38, 189, 81
RGB Percent	15%, 74%, 32%
CMY	0.8516, 0.2588, 0.6824
CMYK	0.80, 0.00, 0.57, 0.26
HSL	137°, 67%, 44%
HSV	137°, 80%, 74%
XYZ	20.4777, 37.4013, 13.9223
YIQ	131.5390, -55.3280, -65.6000

Conversions

Conversions Part 2

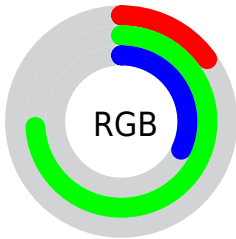
Format	Color
RYB	38, 156, 189
Decimal	2538833
CIELab	67.58, -60.50, 43.34
CIElCh	68, 74.423, 144.384
Yxy	37.4013, 0.2852, 0.5209
Android (android.graphics.Color)	4280728913 (0xFF26BD51)
YUV	131.5390, -24.9157, -82.0337
Hunter-Lab	61.1566, -47.2550, 29.3123

Details

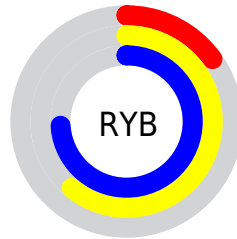
The Yxy color **37.4013, 0.2852, 0.5209** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **14.2684, 0.3858, 0.2050**, and the grayscale version is **22.9912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9200, 0.2945, 0.4788**, and **17.1389, 0.2926, 0.5733** is the 20% darker color. If you saturate the color by 10%, you get **36.9486, 0.2870, 0.5439**, and if you desaturate by 10%, it is **38.0794, 0.2850, 0.4952**.

Distribution



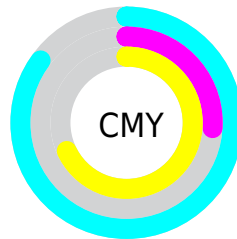
- Red (15%)
- Green (74%)
- Blue (32%)



- Red (15%)
- Yellow (61%)
- Blue (74%)



- Cyan (80%)
- Magenta (0%)
- Yellow (57%)
- Black (26%)




- Cyan (85%)
- Magenta (26%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4013, 0.2852, 0.5209 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 37.4013, 0.2852, 0.5209 by changing the saturation by 10% instead.


 37.4013, 0.2852,
0.5209


 37.4013, 0.2852,
0.5209

335.0447, 0.3051,
0.4134

 25.5184, 0.2776,
0.5512


 71.1896, 0.2942,
0.4792


 16.4637, 0.2660,
0.5916


 93.8637, 0.2971,
0.4643


 9.8528, 0.2473,
0.6473


 120.9036, 0.2992,
0.4520

 5.3015, 0.2191,
0.7399

 152.6938, 0.3009,
0.4417

 2.4252, 0.1332,
0.8668

 189.6186, 0.3023,
0.4330

 0.8388, 0.0000,
1.0000

232.0624, 0.3034,

 0.0000, 0.0000,

0.4256

0.0000

280.4096, 0.3043,
0.4191

■ 37.4013, 0.2852,
0.5209

■ 37.4013, 0.2852,
0.5209

■ 36.9486, 0.2870,
0.5439

■ 38.0794, 0.2850,
0.4952

■ 36.6660, 0.2898,
0.5632

■ 39.0049, 0.2863,
0.4681

■ 36.6654, 0.2898,
0.5633

■ 40.2019, 0.2890,
0.4409

■ 41.6906, 0.2928,
0.4146

■ 43.4889, 0.2973,
0.3899

■ 45.6136, 0.3023,
0.3673

■ 48.0800, 0.3075,
0.3470

■ 50.9025, 0.3127,
0.3290

■ 54.0947, 0.3179,
0.3131

Harmonies

Analogous

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



37.4013, 0.3851, 0.5293



37.4013, 0.2852, 0.5209



37.4013, 0.1978, 0.4152

Triad

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



37.4013, 0.2852, 0.5209



37.4013, 0.1576, 0.1763



37.4013, 0.5102, 0.3200

Complementary

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



37.4013, 0.2852, 0.5209



14.2684, 0.3858, 0.2050

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.



37.4013, 0.4240, 0.2546



37.4013, 0.2852, 0.5209



37.4013, 0.2140, 0.1762

Square

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



37.4013, 0.2852, 0.5209



37.4013, 0.1358, 0.2099



37.4013, 0.3084, 0.2036



37.4013, 0.5243, 0.3923

Rectangle

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



37.4013, 0.2852, 0.5209



37.4013, 0.1595, 0.3278



37.4013, 0.3084, 0.2036



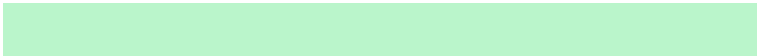
37.4013, 0.4884, 0.2973

Sweetspot

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



37.4028, 0.2852, 0.5209



79.9320, 0.3000, 0.3770



42.6663, 0.3732, 0.5232



16.9028, 0.2983, 0.3852



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.



37.4028, 0.2852, 0.5209



65.7809, 0.2892, 0.5588



39.2180, 0.2451, 0.3843



10.6932, 0.3078, 0.3458



24.6782, 0.2892, 0.5611



0.9783, 0.2751, 0.5102

Inverse Universe

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



14.2684, 0.3858, 0.2050



22.7927, 0.4064, 0.2027



12.6469, 0.5355, 0.2970



9.6486, 0.3180, 0.3127



8.4711, 0.4079, 0.2021



0.3426, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 37.4013, 0.2852, 0.5209 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 37.4013, 0.2852, 0.5209 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 37.4013, 0.2852, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 37.4013, 0.2852, 0.5209.



This preview shows how white text looks on a background with the Yxy color 37.4013, 0.2852, 0.5209.

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

37.4013, 0.2852, 0.5209

Protanopia

36.4992, 0.4095, 0.4481

Deuteranopia

36.6572, 0.4202, 0.4131



Tritanopia

37.0439, 0.2368, 0.3055

Trichromacy



Original Color

37.4013, 0.2852, 0.5209



Protanomaly

34.6940, 0.3487, 0.4818



Deuteranomaly

34.2688, 0.3537, 0.4567



Tritanomaly

36.4730, 0.2536, 0.3785

Monochromacy



Original Color

37.4013, 0.2852, 0.5209



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5714, 0.2954, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4013, 0.2852, 0.5209 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(38, 189, 81)` looks like.

```
.text, #text, p{  
    color:rgb(38, 189, 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(38, 189, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 189, 81) }
```

Border

The CSS property to change the border of an element to Yxy 37.4013, 0.2852, 0.5209 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(38, 189, 81) }
```

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

```
.border{ border-color:rgb(38, 189, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 189, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 189, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 189, 81);  
box-shadow:4px 4px 4px 4px rgb(38, 189,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4013, 0.2852, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 189, 81) }
```

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

```
.background{ background-color: rgb(38, 189,  
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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