

Converting Colors

$Yxy(37.4185, 0.3006, 0.5293)$

Have a look what the booklet for
Yxy(37.4185, 0.3006, 0.5293)
contains.

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Color

Yxy(37.5452, 0.3003, 0.5293)

Conversions

Conversions Part 1

Format	Color
Hex	41BC47
RGB	65, 188, 71
RGB Percent	25%, 74%, 28%
CMY	0.7450, 0.2627, 0.7215
CMYK	0.65, 0.00, 0.62, 0.26
HSL	123°, 49%, 50%
HSV	123°, 65%, 74%
XYZ	21.3014, 37.5452, 12.0871
YIQ	137.8850, -35.7510, -62.4630

Conversions

Conversions Part 2

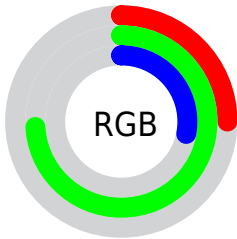
Format	Color
RYB	65, 182, 188
Decimal	4308039
CIELab	67.68, -57.00, 48.16
CIELCh	68, 74.620, 139.802
Yxy	37.5452, 0.3003, 0.5293
Android (android.graphics.Color)	4282498119 (0xFF41BC47)
YUV	137.8850, -32.9743, -63.9201
Hunter-Lab	61.2741, -45.1759, 31.1962

Details

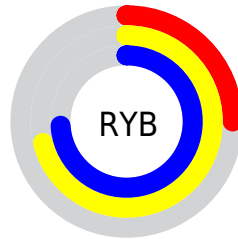
The Yxy color **37.5452, 0.3003, 0.5293** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **17.8512, 0.3271, 0.1879**, and the grayscale version is **25.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2721, 0.3069, 0.4856**, and **16.8068, 0.2972, 0.5900** is the 20% darker color. If you saturate the color by 10%, you get **36.8114, 0.2994, 0.5575**, and if you desaturate by 10%, it is **38.5631, 0.3017, 0.4968**.

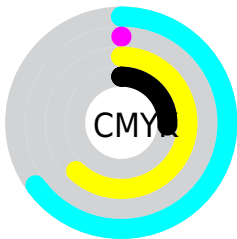
Distribution



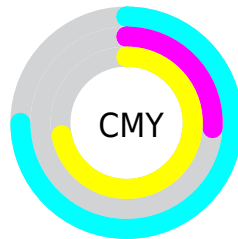
- Red (25%)
- Green (74%)
- Blue (28%)



- Red (25%)
- Yellow (71%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (62%)
- Black (26%)




- Cyan (75%)
- Magenta (26%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5452, 0.3003, 0.5293 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 37.5452, 0.3003, 0.5293 by changing the saturation by 10% instead.

 37.5452, 0.3003,
0.5293


 37.5452, 0.3003,
0.5293


335.6650, 0.3132,
0.4179


 25.6299, 0.2941,
0.5600


 71.4105, 0.3070,
0.4864

 16.5470, 0.2839,
0.6004


 94.1293, 0.3089,
0.4710


 9.9120, 0.2665,
0.6548


 121.2181, 0.3103,
0.4582

 5.3407, 0.2437,
0.7563

 153.0612, 0.3112,
0.4476

 2.4485, 0.1609,
0.8391

 190.0430, 0.3119,
0.4385

 0.8507, 0.0000,
1.0000

232.5480, 0.3125,

 0.0000, 0.0000,

0.4306

0.0000

280.9605, 0.3129,
0.4238

■ 37.5452, 0.3003,
0.5293

■ 37.5452, 0.3003,
0.5293

■ 36.8114, 0.2994,
0.5575

■ 38.5631, 0.3017,
0.4968

■ 36.3289, 0.2990,
0.5793

■ 39.8851, 0.3036,
0.4626

■ 36.0646, 0.2992,
0.5931

■ 41.5344, 0.3056,
0.4287

■ 35.9875, 0.2992,
0.5970

■ 43.5309, 0.3077,
0.3967

■ 45.8929, 0.3097,
0.3676

■ 48.6373, 0.3117,
0.3417

■ 51.7801, 0.3135,
0.3190

■ 55.3364, 0.3152,
0.2993

■ 59.3202, 0.3167,
0.2823

Harmonies

Analogous

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



37.5452, 0.3998, 0.5231



37.5452, 0.3003, 0.5293



37.5452, 0.2091, 0.4355

Triad

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



37.5452, 0.3003, 0.5293



37.5452, 0.1520, 0.1789



37.5452, 0.5015, 0.3095

Complementary

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



37.5452, 0.3003, 0.5293



17.8512, 0.3271, 0.1879

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.



37.5452, 0.4068, 0.2455



37.5452, 0.3003, 0.5293



37.5452, 0.2028, 0.1742

Square

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



37.5452, 0.3003, 0.5293



37.5452, 0.1352, 0.2186



37.5452, 0.2917, 0.1976



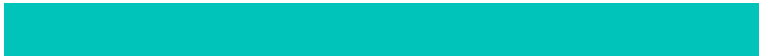
37.5452, 0.5273, 0.3809

Rectangle

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



37.5452, 0.3003, 0.5293



37.5452, 0.1664, 0.3470



37.5452, 0.2917, 0.1976



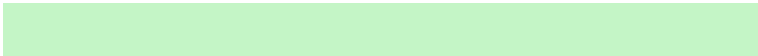
37.5452, 0.4760, 0.2870

Sweetspot

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



37.5468, 0.3003, 0.5293



80.9860, 0.3087, 0.3815



46.5275, 0.3981, 0.4789



17.1623, 0.3082, 0.3898



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.



37.5468, 0.3003, 0.5293



66.2335, 0.2991, 0.5691



38.7197, 0.2678, 0.4279



10.6570, 0.3110, 0.3515



24.5048, 0.2990, 0.5963



0.9625, 0.2951, 0.5822

Inverse Universe

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



17.8512, 0.3271, 0.1879



27.7993, 0.3302, 0.1705



15.8890, 0.4201, 0.2551



9.6880, 0.3145, 0.3075



9.4937, 0.3334, 0.1610



0.3744, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 37.5452, 0.3003, 0.5293 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 37.5452, 0.3003, 0.5293 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 37.5452, 0.3003, 0.5293

Background



This preview shows how black text looks on a background with the Yxy color 37.5452, 0.3003, 0.5293.



This preview shows how white text looks on a background with the Yxy color 37.5452, 0.3003, 0.5293.

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

37.5452, 0.3003, 0.5293

Protanopia

36.8662, 0.4157, 0.4576

Deuteranopia

36.7885, 0.4298, 0.4221



Tritanopia

37.2552, 0.2445, 0.3073

Trichromacy



Original Color

37.5452, 0.3003, 0.5293



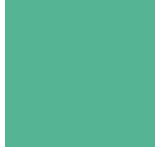
Protanomaly

35.7814, 0.3634, 0.4888



Deuteranomaly

35.2165, 0.3731, 0.4644



Tritanomaly

36.6804, 0.2657, 0.3846

Monochromacy



Original Color

37.5452, 0.3003, 0.5293



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.3713, 0.3064, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5452, 0.3003, 0.5293 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(65, 188, 71)` looks like.

```
.text, #text, p{  
    color:rgb(65, 188, 71)  
}
```

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(65, 188, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 188, 71) }
```

Border

The CSS property to change the border of an element to Yxy 37.5452, 0.3003, 0.5293 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(65, 188, 71) }
```

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

```
.border{ border-color:rgb(65, 188, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 188, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 188, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 188, 71);  
box-shadow:4px 4px 4px 4px rgb(65, 188,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5452, 0.3003, 0.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 188, 71) }
```

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

```
.background{ background-color: rgb(65, 188,  
71) }
```

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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