

Converting Colors

$Y_{xy}(37.7733, 0.2993, 0.5306)$

Have a look what the booklet for
Yxy(37.7733, 0.2993, 0.5306)
contains.

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Color

Yxy(37.9069, 0.2993, 0.5306)

Conversions

Conversions Part 1

Format	Color
Hex	3FBD47
RGB	63, 189, 71
RGB Percent	25%, 74%, 28%
CMY	0.7531, 0.2588, 0.7215
CMYK	0.67, 0.00, 0.62, 0.26
HSL	124°, 50%, 49%
HSV	124°, 67%, 74%
XYZ	21.3825, 37.9069, 12.1522
YIQ	137.8740, -37.2180, -63.4100

Conversions

Conversions Part 2

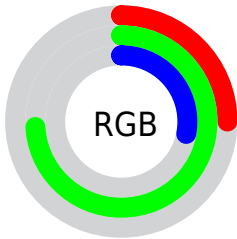
Format	Color
RYB	63, 181, 189
Decimal	4177223
CIELab	67.95, -57.77, 48.45
CIELCh	68, 75.396, 140.012
Yxy	37.9069, 0.2993, 0.5306
Android (android.graphics.Color)	4282367303 (0xFF3FBD47)
YUV	137.8740, -32.9689, -65.6645
Hunter-Lab	61.5686, -45.7528, 31.3955

Details

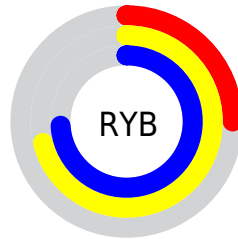
The Yxy color **37.9069, 0.2993, 0.5306** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **17.7028, 0.3299, 0.1878**, and the grayscale version is **25.4994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8024, 0.3063, 0.4866**, and **17.0793, 0.2975, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **37.1949, 0.2985, 0.5583**, and if you desaturate by 10%, it is **38.9017, 0.3007, 0.4986**.

Distribution



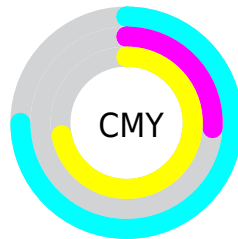
- Red (25%)
- Green (74%)
- Blue (28%)



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



- Cyan (67%)
- Magenta (0%)
- Yellow (62%)
- Black (26%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9069, 0.2993, 0.5306 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 37.9069, 0.2993, 0.5306 by changing the saturation by 10% instead.


 37.9069, 0.2993,
0.5306


 37.9069, 0.2993,
0.5306


337.2204, 0.3128,
0.4186

 25.9104, 0.2929,
0.5614


 71.9654, 0.3063,
0.4875


 16.7567, 0.2826,
0.6020


 94.7963, 0.3082,
0.4720


 10.0611, 0.2649,
0.6565


 122.0074, 0.3096,
0.4592

 5.4395, 0.2420,
0.7580

 153.9831, 0.3107,
0.4484

 2.5074, 0.1603,
0.8397

 191.1079, 0.3114,
0.4393

 0.8803, 0.0000,
1.0000

233.7661, 0.3120,

 0.0000, 0.0000,

0.4314

0.0000

282.3422, 0.3124,
0.4246

■ 37.9069, 0.2993,
0.5306

■ 37.9069, 0.2993,
0.5306

■ 37.1949, 0.2985,
0.5583

■ 38.9017, 0.3007,
0.4986

■ 36.7320, 0.2985,
0.5795

■ 40.1994, 0.3025,
0.4648

■ 36.4822, 0.2989,
0.5931

■ 41.8238, 0.3046,
0.4313

■ 36.4252, 0.2989,
0.5961

■ 43.7950, 0.3069,
0.3995

■ 46.1314, 0.3091,
0.3705

■ 48.8503, 0.3113,
0.3446

■ 51.9676, 0.3134,
0.3218

■ 55.4985, 0.3153,
0.3021

■ 59.4575, 0.3170,
0.2850

Harmonies

Analogous

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



37.9069, 0.3994, 0.5246



37.9069, 0.2993, 0.5306



37.9069, 0.2078, 0.4354

Triad

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



37.9069, 0.2993, 0.5306



37.9069, 0.1514, 0.1779



37.9069, 0.5032, 0.3097

Complementary

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



37.9069, 0.2993, 0.5306



17.7028, 0.3299, 0.1878

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.



37.9069, 0.4083, 0.2454



37.9069, 0.2993, 0.5306



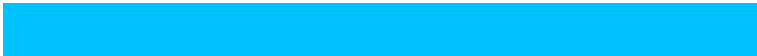
37.9069, 0.2027, 0.1734

Square

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



37.9069, 0.2993, 0.5306



37.9069, 0.1343, 0.2174



37.9069, 0.2923, 0.1972



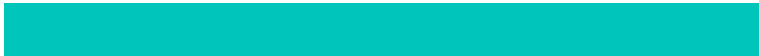
37.9069, 0.5285, 0.3814

Rectangle

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



37.9069, 0.2993, 0.5306



37.9069, 0.1652, 0.3461



37.9069, 0.2923, 0.1972



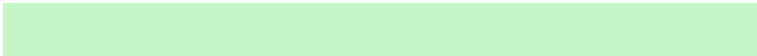
37.9069, 0.4777, 0.2871

Sweetspot

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



37.9085, 0.2993, 0.5306



81.0204, 0.3083, 0.3807



46.7878, 0.3973, 0.4822



17.1704, 0.3077, 0.3888



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.



37.9085, 0.2993, 0.5306



66.1780, 0.2984, 0.5689



39.1270, 0.2663, 0.4264



10.6593, 0.3108, 0.3512



24.5100, 0.2987, 0.5952



0.9635, 0.2936, 0.5769

Inverse Universe

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



17.7028, 0.3299, 0.1878



27.4115, 0.3336, 0.1716



15.7171, 0.4272, 0.2569



9.6855, 0.3147, 0.3078



9.4169, 0.3374, 0.1632



0.3721, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 37.9069, 0.2993, 0.5306 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 37.9069, 0.2993, 0.5306 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 37.9069, 0.2993, 0.5306

Background



This preview shows how black text looks on a background with the Yxy color 37.9069, 0.2993, 0.5306.



This preview shows how white text looks on a background with the Yxy color 37.9069, 0.2993, 0.5306.

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

37.9069, 0.2993, 0.5306

Protanopia

37.3477, 0.4159, 0.4581

Deuteranopia

36.9276, 0.4308, 0.4216



Tritanopia

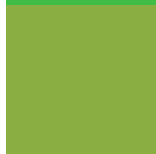
37.6927, 0.2442, 0.3074

Trichromacy



Original Color

37.9069, 0.2993, 0.5306



Protanomaly

36.1663, 0.3629, 0.4898



Deuteranomaly

35.1204, 0.3720, 0.4649



Tritanomaly

37.0391, 0.2654, 0.3862

Monochromacy



Original Color

37.9069, 0.2993, 0.5306



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.7084, 0.3063, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9069, 0.2993, 0.5306 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(63, 189, 71)` looks like.

```
.text, #text, p{  
    color:rgb(63, 189, 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(63, 189, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 189, 71) }
```

Border

The CSS property to change the border of an element to Yxy 37.9069, 0.2993, 0.5306 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(63, 189, 71) }
```

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

```
.border{ border-color:rgb(63, 189, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 189, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 189, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 189, 71);  
box-shadow:4px 4px 4px 4px rgb(63, 189,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9069, 0.2993, 0.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 189, 71) }
```

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

```
.background{ background-color: rgb(63, 189,  
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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