

Converting Colors

$Yxy(37.9716, 0.2948, 0.4777)$

Have a look what the booklet for
Yxy(37.9716, 0.2948, 0.4777)
contains.

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Color

Yxy(37.8769, 0.2949, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	53BA64
RGB	83, 186, 100
RGB Percent	33%, 73%, 39%
CMY	0.6745, 0.2706, 0.6078
CMYK	0.55, 0.00, 0.46, 0.27
HSL	130°, 43%, 53%
HSV	130°, 55%, 73%
XYZ	23.4268, 37.8769, 18.1361
YIQ	145.3990, -33.7820, -48.5820

Conversions

Conversions Part 2

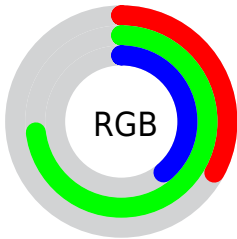
Format	Color
RYB	83, 171, 186
Decimal	5487204
CIELab	67.93, -48.27, 34.66
CIELCh	68, 59.430, 144.318
Yxy	37.8769, 0.2949, 0.4768
Android (android.graphics.Color)	4283677284 (0xFF53BA64)
YUV	145.3990, -22.3817, -54.7239
Hunter-Lab	61.5442, -39.7564, 25.6091

Details

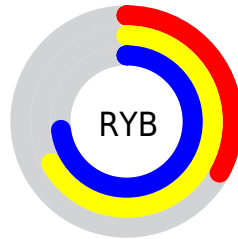
The Yxy color **37.8769, 0.2949, 0.4768** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.4899, 0.3401, 0.2173**, and the grayscale version is **28.5905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9436, 0.3005, 0.4454**, and **16.7996, 0.2830, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **36.8703, 0.2934, 0.5074**, and if you desaturate by 10%, it is **39.1709, 0.2973, 0.4458**.

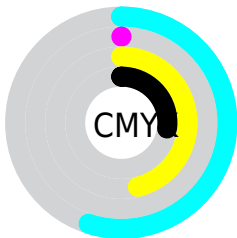
Distribution



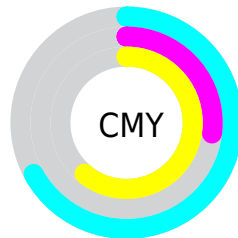
- Red (33%)
- Green (73%)
- Blue (39%)



- Red (33%)
- Yellow (67%)
- Blue (73%)



- Cyan (55%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)





- Cyan (67%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8769, 0.2949, 0.4768 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 37.8769, 0.2949, 0.4768 by changing the saturation by 10% instead.

 37.8769, 0.2949,
0.4768


 37.8769, 0.2949,
0.4768


337.0916, 0.3075,
0.3950


 25.8872, 0.2902,
0.4998


 71.9194, 0.3005,
0.4452

 16.7392, 0.2831,
0.5308

 94.7410, 0.3023,
0.4338

 10.0488, 0.2715,
0.5742


 121.9420, 0.3037,
0.4245

 5.4313, 0.2509,
0.6383

 153.9067, 0.3048,
0.4167

 2.5025, 0.2206,
0.7794

191.0197, 0.3057,
0.4101

 0.8779, 0.0000,
1.0000

233.6652, 0.3064,

 0.0000, 0.0000,

0.4043

0.0000

282.2277, 0.3070,
0.3994

■ 37.8769, 0.2949,
0.4768

■ 37.8769, 0.2949,
0.4768

■ 36.8703, 0.2934,
0.5074

■ 39.1709, 0.2973,
0.4458

■ 36.1245, 0.2929,
0.5357

■ 40.7671, 0.3003,
0.4159

■ 35.6159, 0.2936,
0.5600

■ 42.6849, 0.3037,
0.3880

■ 35.3139, 0.2952,
0.5787

■ 44.9407, 0.3072,
0.3626

■ 35.2166, 0.2959,
0.5854

■ 47.5497, 0.3108,
0.3400

■ 50.5265, 0.3143,
0.3201

■ 53.8844, 0.3176,
0.3028

■ 57.6364, 0.3208,
0.2877

■ 61.7946, 0.3237,
0.2747

Harmonies

Analogous

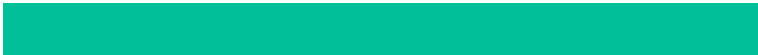
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8769, 0.3781, 0.4909



37.8769, 0.2949, 0.4768



37.8769, 0.2210, 0.3972

Triad

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



37.8769, 0.2949, 0.4768



37.8769, 0.1829, 0.2021



37.8769, 0.4707, 0.3258

Complementary

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



37.8769, 0.2949, 0.4768



19.4899, 0.3401, 0.2173

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.



37.8769, 0.4020, 0.2685



37.8769, 0.2949, 0.4768



37.8769, 0.2321, 0.2007

Square

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



37.8769, 0.2949, 0.4768



37.8769, 0.1640, 0.2334



37.8769, 0.3105, 0.2243



37.8769, 0.4861, 0.3887

Rectangle

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



37.8769, 0.2949, 0.4768



37.8769, 0.1871, 0.3311



37.8769, 0.3105, 0.2243



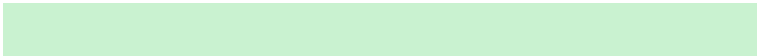
37.8769, 0.4527, 0.3058

Sweetspot

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



37.8785, 0.2949, 0.4768



80.6278, 0.3066, 0.3673



44.3514, 0.3769, 0.4667



17.5683, 0.3058, 0.3723



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.



37.8785, 0.2949, 0.4768



66.5628, 0.2932, 0.5124



39.1585, 0.2642, 0.3886



10.0837, 0.3094, 0.3486



23.6994, 0.2955, 0.5838



0.8430, 0.2837, 0.5413

Inverse Universe

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



19.4899, 0.3401, 0.2173



29.9608, 0.3475, 0.1998



17.9590, 0.4158, 0.2799



9.1366, 0.3162, 0.3101



8.6309, 0.3670, 0.1795



0.3111, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 37.8769, 0.2949, 0.4768 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 37.8769, 0.2949, 0.4768 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 37.8769, 0.2949, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 37.8769, 0.2949, 0.4768.



This preview shows how white text looks on a background with the Yxy color 37.8769, 0.2949, 0.4768.

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

37.8769, 0.2949, 0.4768

Protanopia

37.1474, 0.3943, 0.4275

Deuteranopia

37.1812, 0.4031, 0.3944



Tritanopia

37.7716, 0.2495, 0.3076

Trichromacy



Original Color

37.8769, 0.2949, 0.4768



Protanomaly

36.3510, 0.3510, 0.4477



Deuteranomaly

36.0727, 0.3565, 0.4256



Tritanomaly

37.6182, 0.2662, 0.3664

Monochromacy



Original Color

37.8769, 0.2949, 0.4768



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.8642, 0.3037, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8769, 0.2949, 0.4768 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(83, 186, 100)` looks like.

```
.text, #text, p{  
    color:rgb(83, 186, 100)  
}
```

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(83, 186, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 186, 100) }
```

Border

The CSS property to change the border of an element to Yxy 37.8769, 0.2949, 0.4768 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(83, 186, 100) }
```

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

```
.border{ border-color:rgb(83, 186, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 186, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 186, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 186, 100);  
box-shadow:4px 4px 4px 4px rgb(83, 186,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8769, 0.2949, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 186, 100) }
```

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

```
.background{ background-color: rgb(83, 186,  
100) }
```

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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