

Converting Colors

$Yxy(37.2649, 0.2944, 0.4824)$

Have a look what the booklet for
Yxy(37.2649, 0.2944, 0.4824)
contains.

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Color

Yxy(37.2233, 0.2943, 0.4819)

Conversions

Conversions Part 1

Format	Color
Hex	4FB961
RGB	79, 185, 97
RGB Percent	31%, 73%, 38%
CMY	0.6900, 0.2745, 0.6197
CMYK	0.57, 0.00, 0.48, 0.27
HSL	130°, 43%, 52%
HSV	130°, 57%, 73%
XYZ	22.7326, 37.2233, 17.2869
YIQ	143.2740, -34.9280, -49.8400

Conversions

Conversions Part 2

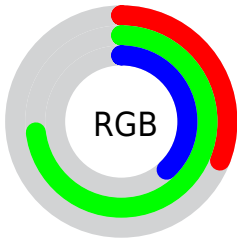
Format	Color
RYB	79, 170, 185
Decimal	5224801
CIELab	67.44, -49.31, 35.57
CIElCh	67, 60.800, 144.192
Yxy	37.2233, 0.2943, 0.4819
Android (android.graphics.Color)	4283414881 (0xFF4FB961)
YUV	143.2740, -22.8131, -56.3683
Hunter-Lab	61.0109, -40.2603, 25.9083

Details

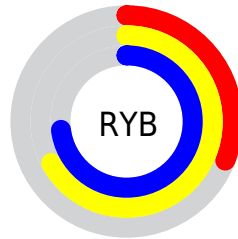
The Yxy color **37.2233, 0.2943, 0.4819** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.7061, 0.3419, 0.2147**, and the grayscale version is **27.6910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9926, 0.3004, 0.4490**, and **16.4460, 0.2826, 0.5373** is the 20% darker color. If you saturate the color by 10%, you get **36.2790, 0.2929, 0.5121**, and if you desaturate by 10%, it is **38.4471, 0.2966, 0.4510**.

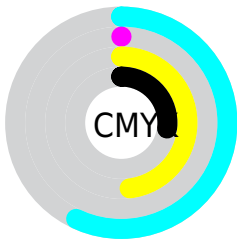
Distribution



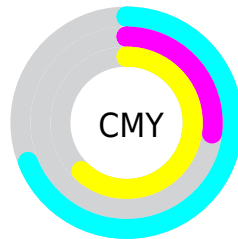
- Red (31%)
- Green (73%)
- Blue (38%)



- Red (31%)
- Yellow (67%)
- Blue (73%)



- Cyan (57%)
- Magenta (0%)
- Yellow (48%)
- Black (27%)





- Cyan (69%)
- Magenta (27%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2233, 0.2943, 0.4819 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 37.2233, 0.2943, 0.4819 by changing the saturation by 10% instead.

 37.2233, 0.2943,
0.4819

 37.2233, 0.2943,
0.4819


334.2763, 0.3075,
0.3970

 25.3804, 0.2893,
0.5059


 70.9161, 0.3002,
0.4490


 16.3607, 0.2817,
0.5382


 93.5348, 0.3021,
0.4372

 9.7798, 0.2693,
0.5836


 120.5142, 0.3035,
0.4275

 5.2532, 0.2473,
0.6509

 152.2388, 0.3047,
0.4194

 2.3966, 0.2086,
0.7914

189.0929, 0.3056,
0.4125

 0.8241, 0.0000,
1.0000

231.4609, 0.3063,

 0.0000, 0.0000,

0.4066

0.0000

279.7272, 0.3069,
0.4015

■ 37.2233, 0.2943,
0.4819

■ 37.2233, 0.2943,
0.4819

■ 36.2790, 0.2929,
0.5121

■ 38.4471, 0.2966,
0.4510

■ 35.5874, 0.2927,
0.5398

■ 39.9652, 0.2995,
0.4210

■ 35.1245, 0.2936,
0.5632

■ 41.7971, 0.3029,
0.3928

■ 34.8549, 0.2954,
0.5809

■ 43.9592, 0.3065,
0.3670

■ 34.7986, 0.2958,
0.5848

■ 46.4667, 0.3101,
0.3440

■ 49.3339, 0.3137,
0.3237

■ 52.5743, 0.3171,
0.3060

■ 56.2007, 0.3203,
0.2906

■ 60.2252, 0.3233,
0.2773

Harmonies

Analogous

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



37.2233, 0.3796, 0.4953



37.2233, 0.2943, 0.4819



37.2233, 0.2186, 0.3997

Triad

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



37.2233, 0.2943, 0.4819



37.2233, 0.1797, 0.1991



37.2233, 0.4750, 0.3250

Complementary

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



37.2233, 0.2943, 0.4819



18.7061, 0.3419, 0.2147

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.



37.2233, 0.4041, 0.2667



37.2233, 0.2943, 0.4819



37.2233, 0.2297, 0.1977

Square

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



37.2233, 0.2943, 0.4819



37.2233, 0.1606, 0.2309



37.2233, 0.3098, 0.2217



37.2233, 0.4907, 0.3890

Rectangle

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



37.2233, 0.2943, 0.4819



37.2233, 0.1840, 0.3312



37.2233, 0.3098, 0.2217



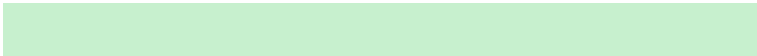
37.2233, 0.4565, 0.3046

Sweetspot

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



37.2248, 0.2943, 0.4819



78.7277, 0.3065, 0.3671



43.5161, 0.3769, 0.4717



16.7960, 0.3058, 0.3719



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.2248, 0.2943, 0.4819



64.5766, 0.2928, 0.5204



38.5542, 0.2621, 0.3879



10.0842, 0.3094, 0.3485



23.7021, 0.2953, 0.5832



0.8433, 0.2834, 0.5401

Inverse Universe

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



18.7061, 0.3419, 0.2147



28.1513, 0.3502, 0.1966



17.1363, 0.4242, 0.2810



9.1360, 0.3163, 0.3102



8.6146, 0.3682, 0.1802



0.3107, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 37.2233, 0.2943, 0.4819 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 37.2233, 0.2943, 0.4819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

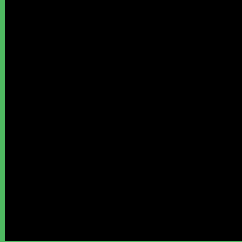
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2233, 0.2943, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 37.2233, 0.2943, 0.4819.



This preview shows how white text looks on a background with the Yxy color 37.2233, 0.2943, 0.4819.

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

37.2233, 0.2943, 0.4819

Protanopia

36.4994, 0.3953, 0.4308

Deuteranopia

36.6467, 0.4055, 0.3972



Tritanopia

37.1588, 0.2481, 0.3074

Trichromacy



Original Color

37.2233, 0.2943, 0.4819



Protanomaly

35.7382, 0.3517, 0.4517



Deuteranomaly

35.4470, 0.3573, 0.4295



Tritanomaly

37.0202, 0.2649, 0.3667

Monochromacy



Original Color

37.2233, 0.2943, 0.4819



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.9531, 0.3045, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2233, 0.2943, 0.4819 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(79, 185, 97)` looks like.

```
.text, #text, p{  
    color:rgb(79, 185, 97)  
}
```

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(79, 185, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 185, 97) }
```

Border

The CSS property to change the border of an element to Yxy 37.2233, 0.2943, 0.4819 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(79, 185, 97) }
```

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

```
.border{ border-color:rgb(79, 185, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 185, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 185, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 185, 97);  
box-shadow:4px 4px 4px 4px rgb(79, 185,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2233, 0.2943, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 185, 97) }
```

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

```
.background{ background-color: rgb(79, 185,  
97) }
```

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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