

Converting Colors

$Y_{xy}(37.6225, 0.3060, 0.4676)$

Have a look what the booklet for
Yxy(37.6225, 0.3060, 0.4676)
contains.

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Color

Yxy(37.5159, 0.3055, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	64B765
RGB	100, 183, 101
RGB Percent	39%, 72%, 40%
CMY	0.6079, 0.2823, 0.6039
CMYK	0.45, 0.00, 0.45, 0.28
HSL	121°, 37%, 55%
HSV	121°, 45%, 72%
XYZ	24.5367, 37.5159, 18.2640
YIQ	148.8350, -23.1460, -43.0980

Conversions

Conversions Part 2

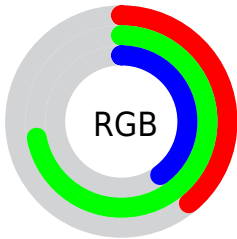
Format	Color
RYB	100, 182, 183
Decimal	6600549
CIELab	67.66, -42.25, 33.95
CIElCh	68, 54.194, 141.217
Yxy	37.5159, 0.3055, 0.4671
Android (android.graphics.Color)	4284790629 (0xFF64B765)
YUV	148.8350, -23.5827, -42.8283
Hunter-Lab	61.2502, -35.6811, 25.1957

Details

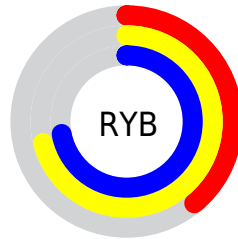
The Yxy color **37.5159, 0.3055, 0.4671** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.5541, 0.3190, 0.2212**, and the grayscale version is **30.0893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5886, 0.3088, 0.4384**, and **16.4839, 0.2979, 0.5164** is the 20% darker color. If you saturate the color by 10%, you get **36.2726, 0.3038, 0.5021**, and if you desaturate by 10%, it is **39.0746, 0.3072, 0.4322**.

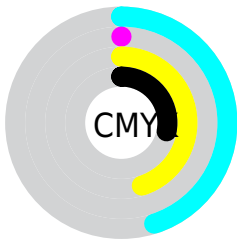
Distribution



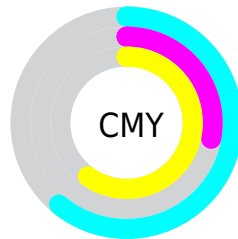
- Red (39%)
- Green (72%)
- Blue (40%)



- Red (39%)
- Yellow (71%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (28%)





- Cyan (61%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5159, 0.3055, 0.4671 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 37.5159, 0.3055, 0.4671 by changing the saturation by 10% instead.


 37.5159, 0.3055,
0.4671


 37.5159, 0.3055,
0.4671


335.5387, 0.3122,
0.3910


 25.6072, 0.3025,
0.4884


 71.3655, 0.3089,
0.4378


 16.5300, 0.2976,
0.5169


 94.0752, 0.3098,
0.4272

 9.9000, 0.2891,
0.5570

 121.1541, 0.3105,
0.4186

 5.3327, 0.2731,
0.6159

 152.9864, 0.3111,
0.4113

 2.4438, 0.2529,
0.7471

189.9566, 0.3115,
0.4051

 0.8483, 0.0000,
1.0000


232.4492, 0.3118,


 0.0000, 0.0000,

0.3997

0.0000


280.8484, 0.3120,
0.3951


 37.5159, 0.3055,
0.4671

 37.5159, 0.3055,
0.4671


 36.2726, 0.3038,
0.5021


 39.0746, 0.3072,
0.4322


 35.3189, 0.3023,
0.5349

 40.9631, 0.3090,
0.3991

 34.6327, 0.3011,
0.5628

 43.2005, 0.3105,
0.3689


 34.1868, 0.3003,
0.5834


 45.8032, 0.3120,
0.3420


 33.9475, 0.3000,
0.5955

 48.7864, 0.3133,
0.3185

 33.8745, 0.2998,
0.5992

 52.1647, 0.3144,
0.2982

 55.9516, 0.3154,
0.2806

 60.1602, 0.3163,
0.2656

 62.3495, 0.3160,
0.2585

Harmonies

Analogous

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



37.5159, 0.3823, 0.4757



37.5159, 0.3055, 0.4671



37.5159, 0.2348, 0.4002

Triad

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



37.5159, 0.3055, 0.4671



37.5159, 0.1889, 0.2130



37.5159, 0.4528, 0.3215

Complementary

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



37.5159, 0.3055, 0.4671



22.5541, 0.3190, 0.2212

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.



37.5159, 0.3863, 0.2683



37.5159, 0.3055, 0.4671



37.5159, 0.2324, 0.2086

Square

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



37.5159, 0.3055, 0.4671



37.5159, 0.1740, 0.2463



37.5159, 0.3027, 0.2284



37.5159, 0.4734, 0.3802

Rectangle

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



37.5159, 0.3055, 0.4671



37.5159, 0.2007, 0.3408



37.5159, 0.3027, 0.2284



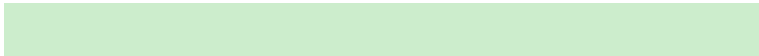
37.5159, 0.4347, 0.3028

Sweetspot

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



37.5175, 0.3055, 0.4671



77.8626, 0.3107, 0.3657



44.8572, 0.3790, 0.4385



16.9913, 0.3104, 0.3718



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.



37.5175, 0.3055, 0.4671



65.0531, 0.3039, 0.5005



38.5153, 0.2788, 0.3973



10.0619, 0.3114, 0.3523



23.6305, 0.2997, 0.5990



0.8337, 0.2986, 0.5951

Inverse Universe

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



22.5541, 0.3190, 0.2212



35.0164, 0.3203, 0.2020



21.1159, 0.3709, 0.2708



9.1608, 0.3140, 0.3067



9.3430, 0.3240, 0.1559



0.3300, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 37.5159, 0.3055, 0.4671 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 37.5159, 0.3055, 0.4671 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 37.5159, 0.3055, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 37.5159, 0.3055, 0.4671.



This preview shows how white text looks on a background with the Yxy color 37.5159, 0.3055, 0.4671.

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

37.5159, 0.3055, 0.4671

Protanopia

37.0624, 0.3916, 0.4254

Deuteranopia

37.0458, 0.4021, 0.3947



Tritanopia

37.3265, 0.2588, 0.3078

Trichromacy



Original Color

37.5159, 0.3055, 0.4671



Protanomaly

36.5682, 0.3558, 0.4413



Deuteranomaly

35.9737, 0.3626, 0.4196



Tritanomaly

37.2241, 0.2755, 0.3626

Monochromacy



Original Color

37.5159, 0.3055, 0.4671



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

31.9810, 0.3095, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5159, 0.3055, 0.4671 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(100, 183, 101)` looks like.

```
.text, #text, p{  
    color:rgb(100, 183, 101)  
}
```

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(100, 183, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 183, 101) }
```

Border

The CSS property to change the border of an element to Yxy 37.5159, 0.3055, 0.4671 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(100, 183, 101) }
```

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

```
.border{ border-color:rgb(100, 183, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 183, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 183, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 183, 101);  
box-shadow:4px 4px 4px 4px rgb(100, 183,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5159, 0.3055, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 183, 101) }
```

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

```
.background{ background-color: rgb(100,  
183, 101) }
```

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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