

Converting Colors

$Y_{xy}(37.2014, 0.3065, 0.5059)$

Have a look what the booklet for
Yxy(37.2014, 0.3065, 0.5059)
contains.

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Color

Yxy(37.1768, 0.3062, 0.5062)

Conversions

Conversions Part 1

Format	Color
Hex	54B951
RGB	84, 185, 81
RGB Percent	33%, 73%, 32%
CMY	0.6707, 0.2745, 0.6823
CMYK	0.55, 0.00, 0.56, 0.27
HSL	118°, 43%, 52%
HSV	118°, 56%, 73%
XYZ	22.4882, 37.1768, 13.7779
YIQ	142.9450, -26.8120, -53.7560

Conversions

Conversions Part 2

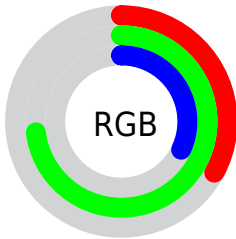
Format	Color
RYB	81, 185, 182
Decimal	5552465
CIELab	67.41, -50.27, 43.40
CIElCh	67, 66.416, 139.196
Yxy	37.1768, 0.3062, 0.5062
Android (android.graphics.Color)	4283742545 (0xFF54B951)
YUV	142.9450, -30.5389, -51.6948
Hunter-Lab	60.9728, -40.8673, 29.2833

Details

The Yxy color **37.1768, 0.3062, 0.5062** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.3430, 0.3153, 0.1967**, and the grayscale version is **27.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9485, 0.3112, 0.4683**, and **16.3858, 0.2946, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **36.2122, 0.3046, 0.5386**, and if you desaturate by 10%, it is **38.4329, 0.3077, 0.4712**.

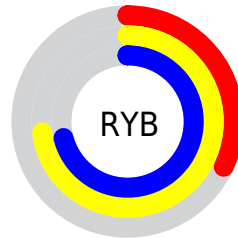
Distribution



Red (33%)

Green (73%)

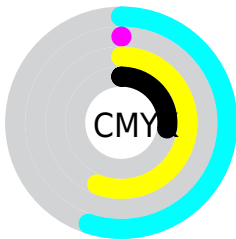
Blue (32%)



Red (32%)

Yellow (73%)

Blue (71%)

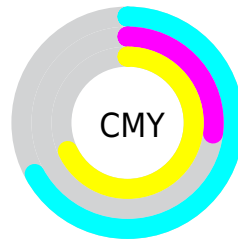


Cyan (55%)

Magenta (0%)

Yellow (56%)

Black (27%)



Cyan (67%)

Magenta (27%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1768, 0.3062, 0.5062 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 37.1768, 0.3062, 0.5062 by changing the saturation by 10% instead.


 37.1768, 0.3062,
0.5062


 37.1768, 0.3062,
0.5062


334.0753, 0.3146,
0.4079

 25.3444, 0.3017,
0.5335


 70.8446, 0.3109,
0.4683


 16.3338, 0.2943,
0.5697


 93.4488, 0.3121,
0.4547


 9.7607, 0.2811,
0.6193


 120.4125, 0.3129,
0.4435

 5.2406, 0.2612,
0.7026

 152.1199, 0.3135,
0.4341

 2.3891, 0.2020,
0.7980

 188.9555, 0.3140,
0.4261

 0.8203, 0.0000,
1.0000

231.3036, 0.3143,

 0.0000, 0.0000,

0.4192

0.0000

279.5488, 0.3145,
0.4132

■ 37.1768, 0.3062,
0.5062

■ 37.1768, 0.3062,
0.5062

■ 36.2122, 0.3046,
0.5386

■ 38.4329, 0.3077,
0.4712

■ 35.5115, 0.3031,
0.5657

■ 39.9964, 0.3091,
0.4361

■ 35.0499, 0.3017,
0.5853

■ 41.8874, 0.3104,
0.4026

■ 34.7949, 0.3007,
0.5965

■ 44.1230, 0.3114,
0.3718

■ 34.7347, 0.3006,
0.5995

■ 46.7192, 0.3123,
0.3444

■ 49.6909, 0.3130,
0.3202

■ 53.0523, 0.3135,
0.2993

■ 56.8166, 0.3140,
0.2813

■ 60.9967, 0.3143,
0.2657

Harmonies

Analogous

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



37.1768, 0.3972, 0.5043



37.1768, 0.3062, 0.5062



37.1768, 0.2217, 0.4253

Triad

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



37.1768, 0.3062, 0.5062



37.1768, 0.1645, 0.1923



37.1768, 0.4806, 0.3121

Complementary

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



37.1768, 0.3062, 0.5062



19.3430, 0.3153, 0.1967

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.



37.1768, 0.3954, 0.2523



37.1768, 0.3062, 0.5062



37.1768, 0.2117, 0.1866

Square

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



37.1768, 0.3062, 0.5062



37.1768, 0.1495, 0.2313



37.1768, 0.2927, 0.2079



37.1768, 0.5073, 0.3791

Rectangle

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



37.1768, 0.3062, 0.5062



37.1768, 0.1812, 0.3487



37.1768, 0.2927, 0.2079



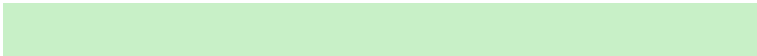
37.1768, 0.4572, 0.2910

Sweetspot

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



37.1784, 0.3062, 0.5062



78.5588, 0.3113, 0.3750



44.1776, 0.3947, 0.4573



16.7564, 0.3111, 0.3809



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.



37.1784, 0.3062, 0.5062



64.5784, 0.3043, 0.5442



38.0505, 0.2756, 0.4238



10.0719, 0.3120, 0.3526



23.6546, 0.3007, 0.5994



0.8380, 0.3038, 0.5970

Inverse Universe

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



19.3430, 0.3153, 0.1967



29.5678, 0.3152, 0.1765



17.9937, 0.3868, 0.2537



9.1494, 0.3133, 0.3064



8.9781, 0.3140, 0.1503



0.3206, 0.3159, 0.1514

Previews

White Background



This preview shows how the Yxy color 37.1768, 0.3062, 0.5062 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 37.1768, 0.3062, 0.5062 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 37.1768, 0.3062, 0.5062

Background



This preview shows how black text looks on a background with the Yxy color 37.1768, 0.3062, 0.5062.



This preview shows how white text looks on a background with the Yxy color 37.1768, 0.3062, 0.5062.

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

37.1768, 0.3062, 0.5062

Protanopia

36.5126, 0.4088, 0.4471

Deuteranopia

36.3061, 0.4219, 0.4131



Tritanopia

37.0911, 0.2520, 0.3075

Trichromacy



Original Color

37.1768, 0.3062, 0.5062



Protanomaly

35.7726, 0.3653, 0.4707



Deuteranomaly

35.1124, 0.3728, 0.4480



Tritanomaly

36.6634, 0.2723, 0.3769

Monochromacy



Original Color

37.1768, 0.3062, 0.5062



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.9474, 0.3115, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1768, 0.3062, 0.5062 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(84, 185, 81)` looks like.

```
.text, #text, p{  
    color:rgb(84, 185, 81)  
}
```

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(84, 185, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 185, 81) }
```

Border

The CSS property to change the border of an element to Yxy 37.1768, 0.3062, 0.5062 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(84, 185, 81) }
```

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

```
.border{ border-color:rgb(84, 185, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 185, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 185, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 185, 81);  
box-shadow:4px 4px 4px 4px rgb(84, 185,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1768, 0.3062, 0.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 185, 81) }
```

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

```
.background{ background-color: rgb(84, 185,  
81) }
```

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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