

Converting Colors

$Y_{xy}(37.1395, 0.3036, 0.5244)$

Have a look what the booklet for
Yxy(37.1395, 0.3036, 0.5244)
contains.

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Color

Yxy(36.9634, 0.3036, 0.5243)

Conversions

Conversions Part 1

Format	Color
Hex	48BA48
RGB	72, 186, 72
RGB Percent	28%, 73%, 28%
CMY	0.7174, 0.2706, 0.7177
CMYK	0.61, 0.00, 0.61, 0.27
HSL	120°, 45%, 51%
HSV	120°, 61%, 73%
XYZ	21.4039, 36.9634, 12.1331
YIQ	138.9180, -31.3500, -59.6220

Conversions

Conversions Part 2

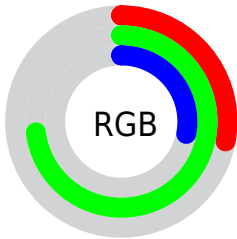
Format	Color
RYB	72, 186, 186
Decimal	4766280
CIELab	67.25, -54.64, 47.29
CIELCh	67, 72.261, 139.122
Yxy	36.9634, 0.3036, 0.5243
Android (android.graphics.Color)	4282956360 (0xFF48BA48)
YUV	138.9180, -32.9906, -58.6871
Hunter-Lab	60.7975, -43.5542, 30.7260

Details

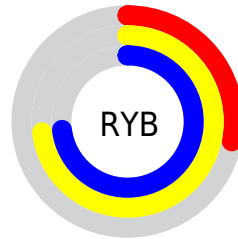
The Yxy color **36.9634, 0.3036, 0.5243** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.6052, 0.3192, 0.1891**, and the grayscale version is **25.9301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4620, 0.3097, 0.4828**, and **16.5399, 0.2967, 0.5880** is the 20% darker color. If you saturate the color by 10%, you get **36.1476, 0.3022, 0.5544**, and if you desaturate by 10%, it is **38.0716, 0.3052, 0.4901**.

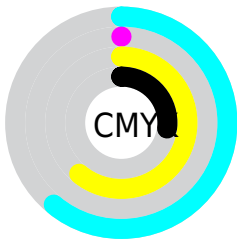
Distribution



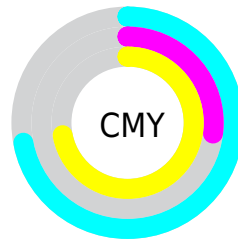
- Red (28%)
- Green (73%)
- Blue (28%)



- Red (28%)
- Yellow (73%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (61%)
- Black (27%)




- Cyan (72%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9634, 0.3036, 0.5243 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 36.9634, 0.3036, 0.5243 by changing the saturation by 10% instead.


 36.9634, 0.3036,
0.5243


 36.9634, 0.3036,
0.5243


333.1520, 0.3145,
0.4156

 25.1792, 0.2979,
0.5543


 70.5165, 0.3095,
0.4824

 16.2106, 0.2886,
0.5939

 93.0541, 0.3111,
0.4674

 9.6733, 0.2722,
0.6474


 119.9450, 0.3123,
0.4550

 5.1829, 0.2514,
0.7486

 151.5735, 0.3130,
0.4445

 2.3550, 0.1697,
0.8303

 188.3241, 0.3136,
0.4357

 0.8026, 0.0000,
1.0000

230.5811, 0.3140,

 0.0000, 0.0000,


0.4280


0.0000


278.7290, 0.3143,
0.4214

 36.9634, 0.3036,
0.5243


 36.9634, 0.3036,
0.5243


 36.1476, 0.3022,
0.5544


 38.0716, 0.3052,
0.4901


 35.5927, 0.3011,
0.5777


 39.4913, 0.3069,
0.4545

 35.2680, 0.3004,
0.5927

 41.2452, 0.3085,
0.4197

 35.1181, 0.3000,
0.6000

 43.3527, 0.3100,
0.3873

 45.8316, 0.3114,
0.3580

■ 48.6986, 0.3126,
0.3321

■ 51.9694, 0.3136,
0.3096

■ 55.6588, 0.3145,
0.2902

■ 59.7808, 0.3153,
0.2735

Harmonies

Analogous

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



36.9634, 0.4010, 0.5177



36.9634, 0.3036, 0.5243



36.9634, 0.2136, 0.4352

Triad

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



36.9634, 0.3036, 0.5243



36.9634, 0.1544, 0.1825



36.9634, 0.4952, 0.3089

Complementary

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



36.9634, 0.3036, 0.5243



18.6052, 0.3192, 0.1891

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.



36.9634, 0.4020, 0.2461



36.9634, 0.3036, 0.5243



36.9634, 0.2038, 0.1770

Square

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



36.9634, 0.3036, 0.5243



36.9634, 0.1386, 0.2228



36.9634, 0.2901, 0.1995



36.9634, 0.5226, 0.3793

Rectangle

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



36.9634, 0.3036, 0.5243



36.9634, 0.1709, 0.3497



36.9634, 0.2901, 0.1995



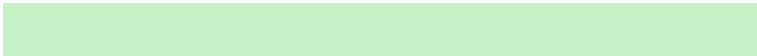
36.9634, 0.4698, 0.2869

Sweetspot

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



36.9649, 0.3036, 0.5243



79.8583, 0.3104, 0.3781



45.2283, 0.3992, 0.4681



17.3117, 0.3100, 0.3870



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.



36.9649, 0.3036, 0.5243



65.0726, 0.3017, 0.5645



38.0287, 0.2726, 0.4308



10.0604, 0.3116, 0.3526



23.6269, 0.3000, 0.6000



0.8330, 0.3001, 0.5999

Inverse Universe

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



18.6052, 0.3192, 0.1891



28.8768, 0.3201, 0.1696



16.7065, 0.4001, 0.2508



9.1624, 0.3138, 0.3065



9.3966, 0.3207, 0.1541



0.3314, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 36.9634, 0.3036, 0.5243 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 36.9634, 0.3036, 0.5243 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 36.9634, 0.3036, 0.5243

Background



This preview shows how black text looks on a background with the Yxy color 36.9634, 0.3036, 0.5243.



This preview shows how white text looks on a background with the Yxy color 36.9634, 0.3036, 0.5243.

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

36.9634, 0.3036, 0.5243

Protanopia

36.3998, 0.4149, 0.4562

Deuteranopia

36.3161, 0.4296, 0.4214



Tritanopia

36.6123, 0.2473, 0.3072

Trichromacy



Original Color

36.9634, 0.3036, 0.5243



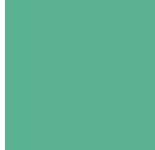
Protanomaly

35.2059, 0.3660, 0.4845



Deuteranomaly

34.5948, 0.3746, 0.4604



Tritanomaly

36.0898, 0.2687, 0.3830

Monochromacy



Original Color

36.9634, 0.3036, 0.5243



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.6596, 0.3093, 0.4019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9634, 0.3036, 0.5243 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(72, 186, 72)` looks like.

```
.text, #text, p{  
    color:rgb(72, 186, 72)  
}
```

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(72, 186, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 186, 72) }
```

Border

The CSS property to change the border of an element to Yxy 36.9634, 0.3036, 0.5243 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(72, 186, 72) }
```

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

```
.border{ border-color:rgb(72, 186, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 186, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 186, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 186, 72);  
box-shadow:4px 4px 4px 4px rgb(72, 186,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9634, 0.3036, 0.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 186, 72) }
```

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

```
.background{ background-color: rgb(72, 186,  
72) }
```

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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