

Converting Colors

$Y_{xy}(37.2587, 0.3210, 0.5140)$

Have a look what the booklet for
Yxy(37.2587, 0.3210, 0.5140)
contains.

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Color

Yxy(37.3326, 0.3212, 0.5143)

Conversions

Conversions Part 1

Format	Color
Hex	62B847
RGB	98, 184, 71
RGB Percent	38%, 72%, 28%
CMY	0.6157, 0.2784, 0.7215
CMYK	0.47, 0.00, 0.61, 0.28
HSL	106°, 44%, 50%
HSV	106°, 61%, 72%
XYZ	23.3156, 37.3326, 11.9409
YIQ	145.4040, -14.9830, -53.3750

Conversions

Conversions Part 2

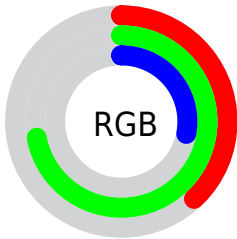
Format	Color
RYB	71, 184, 157
Decimal	6469703
CIELab	67.53, -47.03, 48.28
CIELCh	68, 67.398, 134.249
Yxy	37.3326, 0.3212, 0.5143
Android (android.graphics.Color)	4284659783 (0xFF62B847)
YUV	145.4040, -36.6812, -41.5733
Hunter-Lab	61.1004, -38.8109, 31.1832

Details

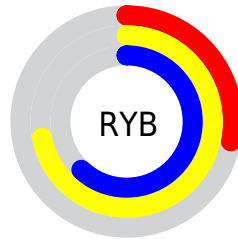
The Yxy color **37.3326, 0.3212, 0.5143** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.1394, 0.2855, 0.1742**, and the grayscale version is **28.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2107, 0.3235, 0.4763**, and **16.4090, 0.3122, 0.5781** is the 20% darker color. If you saturate the color by 10%, you get **36.4204, 0.3195, 0.5430**, and if you desaturate by 10%, it is **38.4558, 0.3217, 0.4824**.

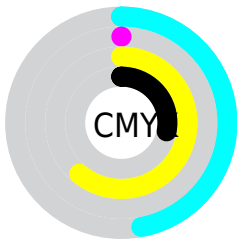
Distribution



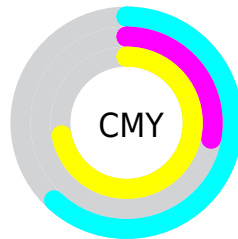
- Red (38%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)




- Cyan (62%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3326, 0.3212, 0.5143 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 37.3326, 0.3212, 0.5143 by changing the saturation by 10% instead.


 37.3326, 0.3212,
0.5143

 37.3326, 0.3212,
0.5143


334.7483, 0.3226,
0.4125


 25.4651, 0.3181,
0.5419


 71.0840, 0.3236,
0.4755

 16.4239, 0.3121,
0.5779


 93.7368, 0.3238,
0.4614


 9.8246, 0.3002,
0.6259


 120.7534, 0.3239,
0.4497

 5.2828, 0.2857,
0.7143

 152.5182, 0.3237,
0.4399

 2.4141, 0.2238,
0.7762

 189.4158, 0.3235,
0.4315

 0.8332, 0.0000,
1.0000

231.8303, 0.3232,

 0.0000, 0.0000,

0.4243

0.0000

280.1464, 0.3229,
0.4180

■ 37.3326, 0.3212,
0.5143

■ 37.3326, 0.3212,
0.5143

■ 36.4204, 0.3195,
0.5430

■ 38.4558, 0.3217,
0.4824

■ 35.7007, 0.3167,
0.5664

■ 39.7978, 0.3212,
0.4494

■ 35.1594, 0.3128,
0.5831

■ 41.3714, 0.3198,
0.4169

■ 34.8164, 0.3094,
0.5926

■ 43.1873, 0.3179,
0.3862

■ 45.2555, 0.3156,
0.3579

■ 47.5852, 0.3131,
0.3324

■ 50.1853, 0.3105,
0.3096

■ 53.0643, 0.3079,
0.2896

■ 56.2302, 0.3054,
0.2720

Harmonies

Analogous

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



37.3326, 0.4120, 0.4993



37.3326, 0.3212, 0.5143



37.3326, 0.2330, 0.4448

Triad

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



37.3326, 0.3212, 0.5143



37.3326, 0.1583, 0.1947



37.3326, 0.4719, 0.3011

Complementary

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



37.3326, 0.3212, 0.5143



15.1394, 0.2855, 0.1742

Split Complementary

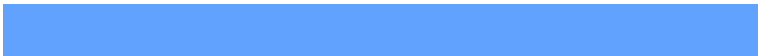
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.3326, 0.3791, 0.2427



37.3326, 0.3212, 0.5143



37.3326, 0.2003, 0.1841

Square

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



37.3326, 0.3212, 0.5143



37.3326, 0.1484, 0.2404



37.3326, 0.2766, 0.2014



37.3326, 0.5099, 0.3678

Rectangle

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



37.3326, 0.3212, 0.5143



37.3326, 0.1882, 0.3680



37.3326, 0.2766, 0.2014



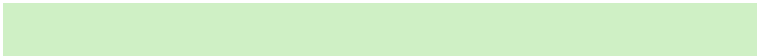
37.3326, 0.4452, 0.2803

Sweetspot

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



37.3342, 0.3212, 0.5143



79.3996, 0.3172, 0.3771



34.3412, 0.4201, 0.4405



16.8926, 0.3179, 0.3855



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.



37.3342, 0.3212, 0.5143



65.4795, 0.3185, 0.5527



36.5283, 0.2884, 0.4788



10.1609, 0.3151, 0.3524



24.0223, 0.3101, 0.5920



0.8761, 0.3293, 0.5767

Inverse Universe

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



15.1394, 0.2855, 0.1742



21.6692, 0.2768, 0.1480



17.0916, 0.3578, 0.2184



9.0518, 0.3101, 0.3062



6.2645, 0.2619, 0.1216



0.2474, 0.2779, 0.1305

Previews

White Background



This preview shows how the Yxy color 37.3326, 0.3212, 0.5143 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 37.3326, 0.3212, 0.5143 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 37.3326, 0.3212, 0.5143

Background



This preview shows how black text looks on a background with the Yxy color 37.3326, 0.3212, 0.5143.



This preview shows how white text looks on a background with the Yxy color 37.3326, 0.3212, 0.5143.

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

37.3326, 0.3212, 0.5143

Protanopia

36.8777, 0.4151, 0.4567

Deuteranopia

36.7590, 0.4314, 0.4241



Tritanopia

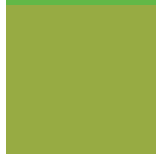
36.9722, 0.2599, 0.3077

Trichromacy



Original Color

37.3326, 0.3212, 0.5143



Protanomaly

36.1104, 0.3767, 0.4800



Deuteranomaly

35.6868, 0.3875, 0.4571



Tritanomaly

36.4438, 0.2838, 0.3814

Monochromacy



Original Color

37.3326, 0.3212, 0.5143



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.6935, 0.3190, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3326, 0.3212, 0.5143 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(98, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(98, 184, 71)  
}
```

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(98, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 184, 71) }
```

Border

The CSS property to change the border of an element to Yxy 37.3326, 0.3212, 0.5143 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(98, 184, 71) }
```

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

```
.border{ border-color:rgb(98, 184, 71) }
```

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

Here you see how a box with a 4 pixel rgb(98, 184, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(98, 184,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3326, 0.3212, 0.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 184, 71) }
```

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

```
.background{ background-color: rgb(98, 184,  
71) }
```

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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