

Converting Colors

$Yxy(37.3614, 0.3562, 0.5012)$

Have a look what the booklet for
Yxy(37.3614, 0.3562, 0.5012)
contains.

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Color

Yxy(37.1975, 0.3567, 0.5003)

Conversions

Conversions Part 1

Format	Color
Hex	85B240
RGB	133, 178, 64
RGB Percent	52%, 70%, 25%
CMY	0.4784, 0.3020, 0.7490
CMYK	0.25, 0.00, 0.64, 0.30
HSL	84°, 47%, 47%
HSV	84°, 64%, 70%
XYZ	26.5208, 37.1975, 10.6321
YIQ	151.5490, 9.7740, -44.9940

Conversions

Conversions Part 2

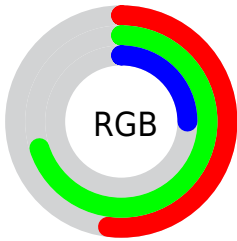
Format	Color
RYB	64, 178, 109
Decimal	8761920
CIELab	67.42, -32.86, 51.74
CIElCh	67, 61.293, 122.422
Yxy	37.1975, 0.3567, 0.5003
Android (android.graphics.Color)	4286952000 (0xFF85B240)
YUV	151.5490, -43.1617, -16.2675
Hunter-Lab	60.9898, -29.1131, 32.3570

Details

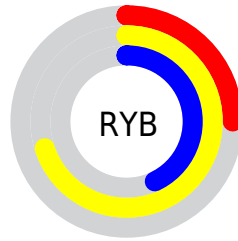
The Yxy color **37.1975, 0.3567, 0.5003** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.1313, 0.2326, 0.1457**, and the grayscale version is **31.3833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9488, 0.3521, 0.4660**, and **16.3295, 0.3581, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **36.4750, 0.3583, 0.5224**, and if you desaturate by 10%, it is **38.0262, 0.3529, 0.4749**.

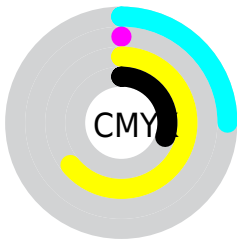
Distribution



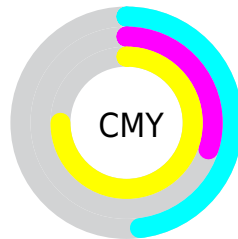
- Red (52%)
- Green (70%)
- Blue (25%)



- Red (25%)
- Yellow (70%)
- Blue (43%)



- Cyan (25%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)





- Cyan (48%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1975, 0.3567, 0.5003 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 37.1975, 0.3567, 0.5003 by changing the saturation by 10% instead.


 37.1975, 0.3567,
0.5003


 37.1975, 0.3567,
0.5003

334.1648, 0.3395,
0.4088


 25.3604, 0.3583,
0.5238


 70.8764, 0.3522,
0.4662


 16.3458, 0.3583,
0.5536


 93.4871, 0.3499,
0.4536


 9.7692, 0.3543,
0.5916


 120.4578, 0.3478,
0.4430

 5.2462, 0.3475,
0.6525

 152.1728, 0.3458,
0.4341

 2.3924, 0.3042,
0.6958

 189.0167, 0.3440,
0.4264

 0.8220, 0.0000,
1.0000

231.3737, 0.3424,

 0.0000, 0.0000,

0.4197

0.0000

279.6282, 0.3409,
0.4139

■ 37.1975, 0.3567,
0.5003

■ 37.1975, 0.3567,
0.5003

■ 36.4750, 0.3583,
0.5224

■ 38.0262, 0.3529,
0.4749

■ 35.8466, 0.3576,
0.5400

■ 38.9624, 0.3473,
0.4474

■ 35.3055, 0.3546,
0.5526

■ 40.0135, 0.3404,
0.4191

■ 35.0144, 0.3522,
0.5586

■ 41.1846, 0.3326,
0.3911

■ 42.4806, 0.3244,
0.3641

■ 43.9061, 0.3161,
0.3387

■ 45.4651, 0.3079,
0.3153

■ 47.1619, 0.2999,
0.2938

■ 49.0003, 0.2924,
0.2744

Harmonies

Analogous

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



37.1975, 0.4354, 0.4681



37.1975, 0.3567, 0.5003



37.1975, 0.2711, 0.4663

Triad

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



37.1975, 0.3567, 0.5003



37.1975, 0.1618, 0.2179



37.1975, 0.4286, 0.2813

Complementary

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



37.1975, 0.3567, 0.5003



10.1313, 0.2326, 0.1457

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.



37.1975, 0.3357, 0.2316



37.1975, 0.3567, 0.5003



37.1975, 0.1894, 0.1951

Square

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



37.1975, 0.3567, 0.5003



37.1975, 0.1650, 0.2766



37.1975, 0.2485, 0.2011



37.1975, 0.4867, 0.3422

Rectangle

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



37.1975, 0.3567, 0.5003



37.1975, 0.2217, 0.4064



37.1975, 0.2485, 0.2011



37.1975, 0.3994, 0.2631

Sweetspot

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



37.1991, 0.3567, 0.5003



75.7651, 0.3288, 0.3782



20.4973, 0.4678, 0.3895



16.6407, 0.3311, 0.3859



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.1991, 0.3567, 0.5003



65.6359, 0.3583, 0.5306



33.8014, 0.3111, 0.5277



9.7360, 0.3205, 0.3519



25.0903, 0.3529, 0.5580



0.8221, 0.3717, 0.5431

Inverse Universe

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



10.1313, 0.2326, 0.1457



12.6850, 0.2112, 0.1109



14.8485, 0.3021, 0.1771



8.3883, 0.3044, 0.3059



3.2722, 0.1850, 0.0793



0.1373, 0.2188, 0.0979

Previews

White Background



This preview shows how the Yxy color 37.1975, 0.3567, 0.5003 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 37.1975, 0.3567, 0.5003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

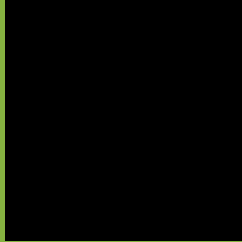
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1975, 0.3567, 0.5003

Background



This preview shows how black text looks on a background with the Yxy color 37.1975, 0.3567, 0.5003.



This preview shows how white text looks on a background with the Yxy color 37.1975, 0.3567, 0.5003.

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

37.1975, 0.3567, 0.5003

Protanopia

36.9444, 0.4192, 0.4607

Deuteranopia

36.9284, 0.4394, 0.4310



Tritanopia

37.2286, 0.2854, 0.3101

Trichromacy



Original Color

37.1975, 0.3567, 0.5003

Protanomaly

36.7122, 0.3959, 0.4759

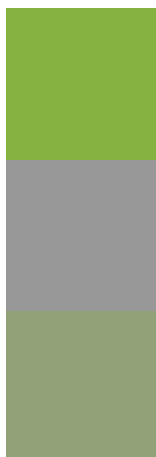
Deuteranomaly

36.4333, 0.4090, 0.4560

Tritanomaly

36.8004, 0.3148, 0.3801

Monochromacy



Original Color

37.1975, 0.3567, 0.5003

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8655, 0.3338, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1975, 0.3567, 0.5003 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(133, 178, 64)` looks like.

```
.text, #text, p{  
    color:rgb(133, 178, 64)  
}
```

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(133, 178, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 178, 64) }
```

Border

The CSS property to change the border of an element to Yxy 37.1975, 0.3567, 0.5003 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(133, 178, 64) }
```

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

```
.border{ border-color:rgb(133, 178, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 178, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 178, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 178, 64);  
box-shadow:4px 4px 4px 4px rgb(133, 178,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1975, 0.3567, 0.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 178, 64) }
```

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

```
.background{ background-color: rgb(133,  
178, 64) }
```

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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