

Converting Colors

$Y_{xy}(37.4845, 0.3635, 0.5099)$

Have a look what the booklet for
Yxy(37.4845, 0.3635, 0.5099)
contains.

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Color

Yxy(37.6574, 0.3629, 0.5104)

Conversions

Conversions Part 1

Format	Color
Hex	87B336
RGB	135, 179, 54
RGB Percent	53%, 70%, 21%
CMY	0.4707, 0.2980, 0.7882
CMYK	0.25, 0.00, 0.70, 0.30
HSL	81°, 54%, 46%
HSV	81°, 70%, 70%
XYZ	26.7748, 37.6574, 9.3479
YIQ	151.5940, 13.9010, -48.2030

Conversions

Conversions Part 2

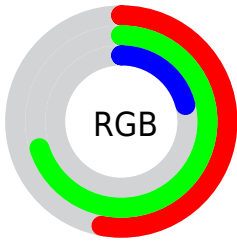
Format	Color
RYB	54, 179, 98
Decimal	8893238
CIELab	67.77, -33.30, 56.20
CIELCh	68, 65.321, 120.648
Yxy	37.6574, 0.3629, 0.5104
Android (android.graphics.Color)	4287083318 (0xFF87B336)
YUV	151.5940, -48.1138, -14.5529
Hunter-Lab	61.3656, -29.5074, 33.9242

Details

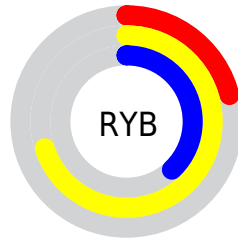
The Yxy color **37.6574, 0.3629, 0.5104** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.4931, 0.2180, 0.1277**, and the grayscale version is **31.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5757, 0.3578, 0.4751**, and **16.6710, 0.3598, 0.5526** is the 20% darker color. If you saturate the color by 10%, you get **37.0131, 0.3638, 0.5292**, and if you desaturate by 10%, it is **38.3979, 0.3596, 0.4876**.

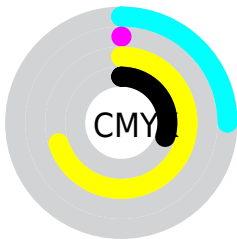
Distribution



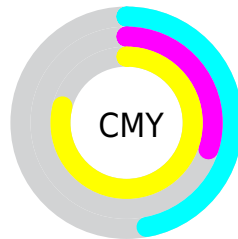
- Red (53%)
- Green (70%)
- Blue (21%)



- Red (21%)
- Yellow (70%)
- Blue (38%)



- Cyan (25%)
- Magenta (0%)
- Yellow (70%)
- Black (30%)




- Cyan (47%)
- Magenta (30%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6574, 0.3629, 0.5104 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 37.6574, 0.3629, 0.5104 by changing the saturation by 10% instead.


 37.6574, 0.3629,
0.5104


 37.6574, 0.3629,
0.5104


336.1480, 0.3436,
0.4144

 25.7169, 0.3645,
0.5344


 71.5827, 0.3580,
0.4751

 16.6120, 0.3640,
0.5642


 94.3363, 0.3555,
0.4619


 9.9582, 0.3597,
0.6026


 121.4631, 0.3531,
0.4507

 5.3713, 0.3467,
0.6533

 153.3474, 0.3509,
0.4413

 2.4667, 0.3036,
0.6964

 190.3736, 0.3488,
0.4331

 0.8599, 0.0051,
0.9949

 232.9262, 0.3469,

 0.0000, 0.0000,

0.4261

0.0000

281.3896, 0.3452,
0.4199

■ 37.6574, 0.3629,
0.5104

■ 37.6574, 0.3629,
0.5104

■ 37.0131, 0.3638,
0.5292

■ 38.3979, 0.3596,
0.4876

■ 36.4523, 0.3623,
0.5433

■ 39.2362, 0.3543,
0.4619

■ 35.9614, 0.3589,
0.5531

■ 40.1799, 0.3474,
0.4345

■ 35.9534, 0.3588,
0.5533

■ 41.2342, 0.3393,
0.4067

■ 42.4042, 0.3306,
0.3793

■ 43.6943, 0.3215,
0.3532

■ 45.1088, 0.3126,
0.3286

■ 46.6518, 0.3038,
0.3059

■ 48.3271, 0.2955,
0.2852

Harmonies

Analogous

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



37.6574, 0.4448, 0.4709



37.6574, 0.3629, 0.5104



37.6574, 0.2729, 0.4805

Triad

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



37.6574, 0.3629, 0.5104



37.6574, 0.1540, 0.2141



37.6574, 0.4303, 0.2749

Complementary

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



37.6574, 0.3629, 0.5104



8.4931, 0.2180, 0.1277

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.



37.6574, 0.3306, 0.2242



37.6574, 0.3629, 0.5104



37.6574, 0.1807, 0.1890

Square

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



37.6574, 0.3629, 0.5104



37.6574, 0.1589, 0.2777



37.6574, 0.2401, 0.1939



37.6574, 0.4951, 0.3375

Rectangle

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



37.6574, 0.3629, 0.5104



37.6574, 0.2202, 0.4179



37.6574, 0.2401, 0.1939



37.6574, 0.3986, 0.2562

Sweetspot

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



37.6591, 0.3629, 0.5104



75.6031, 0.3319, 0.3835



18.5414, 0.4920, 0.3865



16.6207, 0.3343, 0.3909



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.



37.6591, 0.3629, 0.5104



65.7031, 0.3633, 0.5377



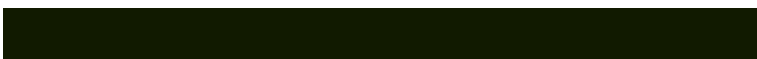
33.9172, 0.3126, 0.5432



9.7539, 0.3211, 0.3519



25.4410, 0.3595, 0.5527



0.8316, 0.3767, 0.5391

Inverse Universe

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



8.4931, 0.2180, 0.1277



10.2116, 0.1948, 0.0940



13.3944, 0.2950, 0.1646



8.3709, 0.3038, 0.3058



3.0813, 0.1785, 0.0757



0.1303, 0.2123, 0.0943

Previews

White Background



This preview shows how the Yxy color 37.6574, 0.3629, 0.5104 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 37.6574, 0.3629, 0.5104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

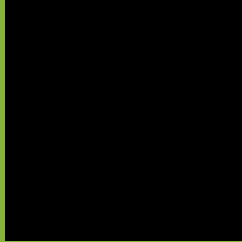
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6574, 0.3629, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 37.6574, 0.3629, 0.5104.



This preview shows how white text looks on a background with the Yxy color 37.6574, 0.3629, 0.5104.

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

37.6574, 0.3629, 0.5104

Protanopia

37.3309, 0.4248, 0.4692

Deuteranopia

37.1039, 0.4476, 0.4378



Tritanopia

37.4168, 0.2871, 0.3102

Trichromacy



Original Color

37.6574, 0.3629, 0.5104

Protanomaly

37.0955, 0.4015, 0.4851

Deuteranomaly

36.5700, 0.4167, 0.4634

Tritanomaly

36.8668, 0.3199, 0.3862

Monochromacy



Original Color

37.6574, 0.3629, 0.5104

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.2126, 0.3381, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6574, 0.3629, 0.5104 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(135, 179, 54)` looks like.

```
.text, #text, p{  
    color:rgb(135, 179, 54)  
}
```

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(135, 179, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 54) }
```

Border

The CSS property to change the border of an element to Yxy 37.6574, 0.3629, 0.5104 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(135, 179, 54) }
```

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

```
.border{ border-color:rgb(135, 179, 54) }
```

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

Here you see how a box with a 4 pixel rgb(135, 179, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 54);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6574, 0.3629, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 179, 54) }
```

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

```
.background{ background-color: rgb(135,  
179, 54) }
```

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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