

Converting Colors

$Yxy(37.6836, 0.3629, 0.5115)$

Have a look what the booklet for
Yxy(37.6836, 0.3629, 0.5115)
contains.

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Color

Yxy(37.6481, 0.3634, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	87B335
RGB	135, 179, 53
RGB Percent	53%, 70%, 21%
CMY	0.4705, 0.2980, 0.7921
CMYK	0.25, 0.00, 0.70, 0.30
HSL	81°, 54%, 45%
HSV	81°, 70%, 70%
XYZ	26.7579, 37.6481, 9.2261
YIQ	151.4800, 14.2220, -48.5140

Conversions

Conversions Part 2

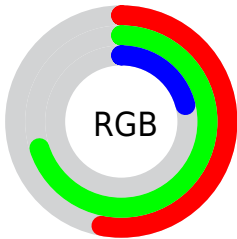
Format	Color
RYB	53, 179, 97
Decimal	8893237
CIELab	67.76, -33.34, 56.57
CIElCh	68, 65.662, 120.512
Yxy	37.6481, 0.3634, 0.5113
Android (android.graphics.Color)	4287083317 (0xFF87B335)
YUV	151.4800, -48.5506, -14.4530
Hunter-Lab	61.3580, -29.5337, 34.0355

Details

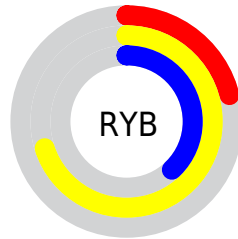
The Yxy color **37.6481, 0.3634, 0.5113** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.3429, 0.2167, 0.1261**, and the grayscale version is **31.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5546, 0.3583, 0.4761**, and **16.6710, 0.3598, 0.5526** is the 20% darker color. If you saturate the color by 10%, you get **37.0114, 0.3642, 0.5298**, and if you desaturate by 10%, it is **38.3801, 0.3602, 0.4887**.

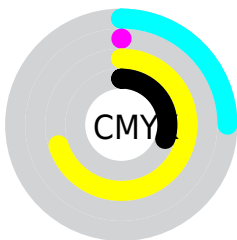
Distribution



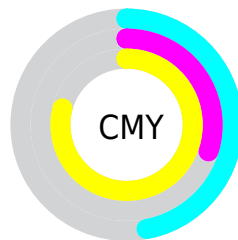
- Red (53%)
- Green (70%)
- Blue (21%)



- 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 37.6481, 0.3634, 0.5113 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 37.6481, 0.3634, 0.5113 by changing the saturation by 10% instead.


 37.6481, 0.3634,
0.5113


 37.6481, 0.3634,
0.5113


336.1080, 0.3440,
0.4149


 25.7097, 0.3649,
0.5353


 71.5684, 0.3585,
0.4759

 16.6066, 0.3644,
0.5652


 94.3192, 0.3559,
0.4626


 9.9544, 0.3601,
0.6037

 121.4428, 0.3535,
0.4514

 5.3687, 0.3465,
0.6535

 153.3237, 0.3513,
0.4419

 2.4652, 0.3034,
0.6966

 190.3462, 0.3492,
0.4337

 0.8591, 0.0032,
0.9968

 232.8949, 0.3473,

 0.0000, 0.0000,

0.4266

0.0000

281.3540, 0.3456,
0.4204

■ 37.6481, 0.3634,
0.5113

■ 37.6481, 0.3634,
0.5113

■ 37.0114, 0.3642,
0.5298

■ 38.3801, 0.3602,
0.4887

■ 36.4571, 0.3626,
0.5435

■ 39.2090, 0.3549,
0.4632

■ 35.9884, 0.3594,
0.5529

■ 40.1424, 0.3480,
0.4360

■ 41.1856, 0.3399,
0.4082

■ 42.3435, 0.3312,
0.3808

■ 43.6207, 0.3221,
0.3546

■ 45.0215, 0.3131,
0.3299

■ 46.5498, 0.3043,
0.3071

■ 48.2097, 0.2958,
0.2863

Harmonies

Analogous

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



37.6481, 0.4456, 0.4712



37.6481, 0.3634, 0.5113



37.6481, 0.2730, 0.4817

Triad

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



37.6481, 0.3634, 0.5113



37.6481, 0.1533, 0.2138



37.6481, 0.4305, 0.2744

Complementary

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



37.6481, 0.3634, 0.5113



8.3429, 0.2167, 0.1261

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.



37.6481, 0.3302, 0.2236



37.6481, 0.3634, 0.5113



37.6481, 0.1800, 0.1884

Square

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



37.6481, 0.3634, 0.5113



37.6481, 0.1583, 0.2777



37.6481, 0.2394, 0.1933



37.6481, 0.4959, 0.3371

Rectangle

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



37.6481, 0.3634, 0.5113



37.6481, 0.2200, 0.4189



37.6481, 0.2394, 0.1933



37.6481, 0.3986, 0.2556

Sweetspot

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



37.6498, 0.3634, 0.5113



75.6270, 0.3320, 0.3834



18.0269, 0.4966, 0.3838



16.6266, 0.3345, 0.3908



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.



37.6498, 0.3634, 0.5113



65.7702, 0.3637, 0.5373



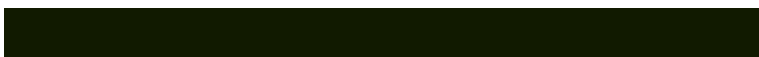
33.9530, 0.3137, 0.5438



9.7553, 0.3211, 0.3519



25.4690, 0.3600, 0.5523



0.8323, 0.3771, 0.5388

Inverse Universe

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



8.3429, 0.2167, 0.1261



10.1731, 0.1943, 0.0938



13.0715, 0.2920, 0.1624



8.3696, 0.3038, 0.3058



3.0677, 0.1781, 0.0755



0.1298, 0.2118, 0.0941

Previews

White Background



This preview shows how the Yxy color 37.6481, 0.3634, 0.5113 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 37.6481, 0.3634, 0.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

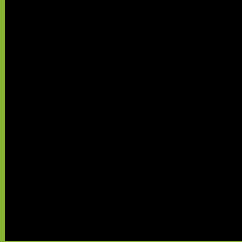
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6481, 0.3634, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 37.6481, 0.3634, 0.5113.



This preview shows how white text looks on a background with the Yxy color 37.6481, 0.3634, 0.5113.

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

37.6481, 0.3634, 0.5113

Protanopia

37.3224, 0.4252, 0.4699

Deuteranopia

37.0930, 0.4482, 0.4386



Tritanopia

37.4168, 0.2871, 0.3102

Trichromacy



Original Color

37.6481, 0.3634, 0.5113

Protanomaly

37.0867, 0.4019, 0.4859

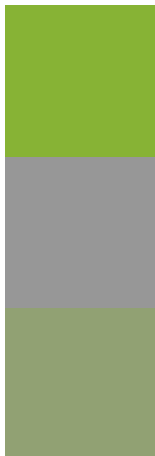
Deuteranomaly

36.5597, 0.4173, 0.4643

Tritanomaly

36.8668, 0.3199, 0.3862

Monochromacy



Original Color

37.6481, 0.3634, 0.5113

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.7473, 0.3382, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6481, 0.3634, 0.5113 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(135, 179, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 53) }
```

Border

The CSS property to change the border of an element to Yxy 37.6481, 0.3634, 0.5113 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, 53) }
```

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

```
.border{ border-color:rgb(135, 179, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 53);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6481, 0.3634, 0.5113 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, 53) }
```

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

```
.background{ background-color: rgb(135,  
179, 53) }
```

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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