

Converting Colors

$Y_{xy}(37.8340, 0.3586, 0.4773)$

Have a look what the booklet for
Yxy(37.8340, 0.3586, 0.4773)
contains.

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Color

Yxy(37.8340, 0.3586, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	8FB14E
RGB	143, 177, 78
RGB Percent	56%, 69%, 31%
CMY	0.4392, 0.3059, 0.6942
CMYK	0.19, 0.00, 0.56, 0.31
HSL	81°, 39%, 50%
HSV	81°, 56%, 69%
XYZ	28.4250, 37.8340, 13.0077
YIQ	155.5480, 11.5150, -37.9970

Conversions

Conversions Part 2

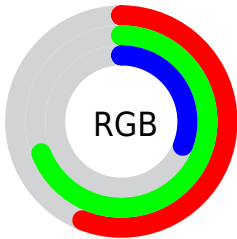
Format	Color
RYB	78, 177, 112
Decimal	9417038
CIELab	67.90, -27.26, 46.15
CIELCh	68, 53.601, 120.571
Yxy	37.8340, 0.3586, 0.4773
Android (android.graphics.Color)	4287607118 (0xFF8FB14E)
YUV	155.5480, -38.2312, -11.0046
Hunter-Lab	61.5093, -25.1519, 30.5182

Details

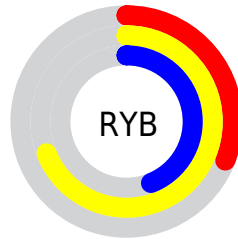
The Yxy color **37.8340, 0.3586, 0.4773** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.0634, 0.2394, 0.1666**, and the grayscale version is **33.2037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0316, 0.3528, 0.4480**, and **16.6635, 0.3645, 0.5231** is the 20% darker color. If you saturate the color by 10%, you get **37.0873, 0.3629, 0.5012**, and if you desaturate by 10%, it is **38.6817, 0.3524, 0.4510**.

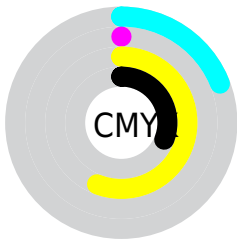
Distribution



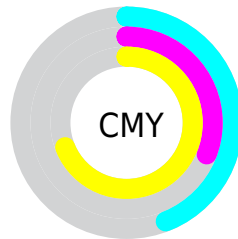
- Red (56%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)




- Cyan (44%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8340, 0.3586, 0.4773 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 37.8340, 0.3586, 0.4773 by changing the saturation by 10% instead.

 37.8340, 0.3586,
0.4773


 37.8340, 0.3586,
0.4773


336.9073, 0.3388,
0.3984


 25.8539, 0.3617,
0.4977


 71.8536, 0.3526,
0.4479

 16.7144, 0.3642,
0.5239


 94.6619, 0.3500,
0.4370


 10.0310, 0.3646,
0.5579


 121.8484, 0.3476,
0.4279

 5.4195, 0.3676,
0.6168

 153.7975, 0.3454,
0.4202

 2.4955, 0.3384,
0.6616

 190.8935, 0.3435,
0.4136

 0.8744, 0.1592,
0.8408

233.5209, 0.3418,

 0.0000, 0.0000,

0.4079

0.0000

282.0640, 0.3403,
0.4028

■ 37.8340, 0.3586,
0.4773

■ 37.8340, 0.3586,
0.4773

■ 37.0873, 0.3629,
0.5012

■ 38.6817, 0.3524,
0.4510

■ 36.4306, 0.3649,
0.5215

■ 39.6310, 0.3448,
0.4235

■ 35.8585, 0.3645,
0.5373

■ 40.6883, 0.3363,
0.3958

■ 35.3621, 0.3617,
0.5483

■ 41.8584, 0.3273,
0.3689

■ 35.1748, 0.3603,
0.5521

■ 43.1455, 0.3181,
0.3434

■ 44.5536, 0.3091,
0.3196

■ 46.0866, 0.3004,
0.2976

■ 47.7481, 0.2921,
0.2777

■ 49.5416, 0.2843,
0.2596

Harmonies

Analogous

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



37.8340, 0.4267, 0.4509



37.8340, 0.3586, 0.4773



37.8340, 0.2823, 0.4497

Triad

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



37.8340, 0.3586, 0.4773



37.8340, 0.1771, 0.2338



37.8340, 0.4093, 0.2844

Complementary

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



37.8340, 0.3586, 0.4773



12.0634, 0.2394, 0.1666

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.



37.8340, 0.3284, 0.2400



37.8340, 0.3586, 0.4773



37.8340, 0.2007, 0.2102

Square

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



37.8340, 0.3586, 0.4773



37.8340, 0.1824, 0.2891



37.8340, 0.2525, 0.2136



37.8340, 0.4628, 0.3396

Rectangle

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



37.8340, 0.3586, 0.4773



37.8340, 0.2372, 0.4010



37.8340, 0.2525, 0.2136



37.8340, 0.3837, 0.2680

Sweetspot

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



37.8357, 0.3586, 0.4773



74.6696, 0.3285, 0.3725



21.2633, 0.4464, 0.3768



16.0915, 0.3303, 0.3777



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.8357, 0.3586, 0.4773



66.1468, 0.3635, 0.5060



34.4008, 0.3160, 0.4996



9.7577, 0.3212, 0.3519



25.5187, 0.3610, 0.5516



0.8337, 0.3777, 0.5383

Inverse Universe

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



12.0634, 0.2394, 0.1666



15.4477, 0.2196, 0.1317



16.1454, 0.2979, 0.1904



8.3673, 0.3037, 0.3058



3.0441, 0.1773, 0.0750



0.1289, 0.2109, 0.0936

Previews

White Background



This preview shows how the Yxy color 37.8340, 0.3586, 0.4773 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 37.8340, 0.3586, 0.4773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

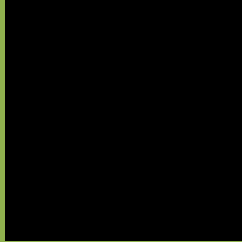
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8340, 0.3586, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 37.8340, 0.3586, 0.4773.



This preview shows how white text looks on a background with the Yxy color 37.8340, 0.3586, 0.4773.

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

37.8340, 0.3586, 0.4773

Protanopia

37.4720, 0.4093, 0.4482

Deuteranopia

37.4350, 0.4294, 0.4203



Tritanopia

37.6356, 0.2922, 0.3090

Trichromacy



Original Color

37.8340, 0.3586, 0.4773

Protanomaly

37.2088, 0.3903, 0.4594

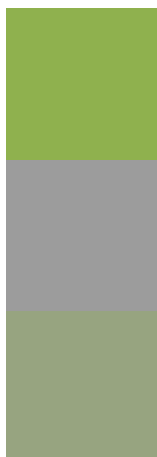
Deuteranomaly

36.9688, 0.4029, 0.4405

Tritanomaly

37.3119, 0.3181, 0.3698

Monochromacy



Original Color

37.8340, 0.3586, 0.4773

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6887, 0.3320, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8340, 0.3586, 0.4773 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(143, 177, 78)` looks like.

```
.text, #text, p{  
    color:rgb(143, 177, 78)  
}
```

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(143, 177, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 177, 78) }
```

Border

The CSS property to change the border of an element to Yxy 37.8340, 0.3586, 0.4773 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(143, 177, 78) }
```

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

```
.border{ border-color:rgb(143, 177, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 177, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 177, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 177, 78);  
box-shadow:4px 4px 4px 4px rgb(143, 177,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8340, 0.3586, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 177, 78) }
```

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

```
.background{ background-color: rgb(143,  
177, 78) }
```

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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