

Converting Colors

$Yxy(36.6540, 0.3478, 0.5190)$

Have a look what the booklet for
Yxy(36.6540, 0.3478, 0.5190)
contains.

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Color

Yxy(36.4380, 0.3477, 0.5189)

Conversions

Conversions Part 1

Format	Color
Hex	77B337
RGB	119, 179, 55
RGB Percent	47%, 70%, 22%
CMY	0.5334, 0.2980, 0.7841
CMYK	0.34, 0.00, 0.69, 0.30
HSL	89°, 53%, 46%
HSV	89°, 69%, 70%
XYZ	24.4161, 36.4380, 9.3676
YIQ	146.9240, 4.0440, -51.2840

Conversions

Conversions Part 2

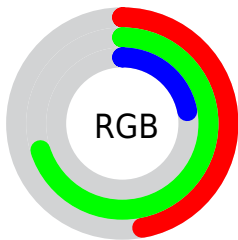
Format	Color
RYB	55, 179, 115
Decimal	7844663
CIELab	66.85, -39.28, 54.56
CIElCh	67, 67.228, 125.753
Yxy	36.4380, 0.3477, 0.5189
Android (android.graphics.Color)	4286034743 (0xFF77B337)
YUV	146.9240, -45.3185, -24.4893
Hunter-Lab	60.3639, -33.4369, 33.0538

Details

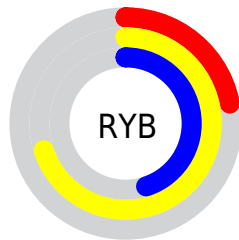
The Yxy color **36.4380, 0.3477, 0.5189** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.6437, 0.2374, 0.1380**, and the grayscale version is **29.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6347, 0.3457, 0.4801**, and **16.0117, 0.3399, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **35.7122, 0.3469, 0.5404**, and if you desaturate by 10%, it is **37.2852, 0.3463, 0.4934**.

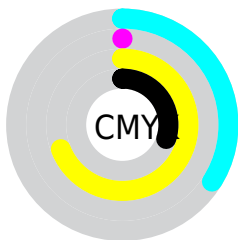
Distribution



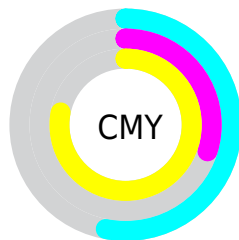
- Red (47%)
- Green (70%)
- Blue (22%)



- Red (22%)
- Yellow (70%)
- Blue (45%)



- Cyan (34%)
- Magenta (0%)
- Yellow (69%)
- Black (30%)





- Cyan (53%)
- Magenta (30%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4380, 0.3477, 0.5189 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 36.4380, 0.3477, 0.5189 by changing the saturation by 10% instead.


 36.4380, 0.3477,
0.5189


 36.4380, 0.3477,
0.5189


330.8709, 0.3364,
0.4164


 24.7727, 0.3472,
0.5454


 69.7076, 0.3458,
0.4806


 15.9078, 0.3439,
0.5789


 92.0806, 0.3444,
0.4664

 9.4589, 0.3356,
0.6230

 118.7916, 0.3429,
0.4546

 5.0417, 0.3169,
0.6831

 150.2251, 0.3414,
0.4446

 2.2718, 0.2639,
0.7361

 186.7654, 0.3400,
0.4360

 0.7587, 0.0000,
1.0000

 228.7968, 0.3387,

 0.0000, 0.0000,

0.4286

0.0000

276.7039, 0.3375,
0.4221

■ 36.4380, 0.3477,
0.5189

■ 36.4380, 0.3477,
0.5189

■ 35.7122, 0.3469,
0.5404

■ 37.2852, 0.3463,
0.4934

■ 35.0945, 0.3439,
0.5568

■ 38.2565, 0.3430,
0.4652

■ 34.5714, 0.3393,
0.5683

■ 39.3603, 0.3383,
0.4359

■ 34.5343, 0.3389,
0.5691

■ 40.6026, 0.3324,
0.4067

■ 41.9892, 0.3259,
0.3784

■ 43.5253, 0.3191,
0.3518

■ 45.2160, 0.3122,
0.3272

■ 47.0661, 0.3054,
0.3048

■ 49.0800, 0.2990,
0.2846

Harmonies

Analogous

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



36.4380, 0.4355, 0.4851



36.4380, 0.3477, 0.5189



36.4380, 0.2558, 0.4735

Triad

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



36.4380, 0.3477, 0.5189



36.4380, 0.1516, 0.2031



36.4380, 0.4503, 0.2831

Complementary

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



36.4380, 0.3477, 0.5189



9.6437, 0.2374, 0.1380

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.



36.4380, 0.3491, 0.2284



36.4380, 0.3477, 0.5189



36.4380, 0.1844, 0.1834

Square

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



36.4380, 0.3477, 0.5189



36.4380, 0.1507, 0.2608



36.4380, 0.2513, 0.1933



36.4380, 0.5072, 0.3483

Rectangle

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



36.4380, 0.3477, 0.5189



36.4380, 0.2047, 0.4019



36.4380, 0.2513, 0.1933



36.4380, 0.4192, 0.2632

Sweetspot

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



36.4396, 0.3477, 0.5189



74.6487, 0.3273, 0.3843



22.1148, 0.4699, 0.4090



16.3861, 0.3291, 0.3919



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.



36.4396, 0.3477, 0.5189



63.3600, 0.3456, 0.5495



33.3928, 0.3034, 0.5475



9.6983, 0.3191, 0.3520



24.4404, 0.3397, 0.5684



0.8035, 0.3613, 0.5513

Inverse Universe

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



9.6437, 0.2374, 0.1380



12.2742, 0.2176, 0.1071



15.3330, 0.3171, 0.1760



8.4253, 0.3058, 0.3060



3.7598, 0.2007, 0.0879



0.1531, 0.2327, 0.1055

Previews

White Background



This preview shows how the Yxy color 36.4380, 0.3477, 0.5189 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 36.4380, 0.3477, 0.5189 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 36.4380, 0.3477, 0.5189

Background



This preview shows how black text looks on a background with the Yxy color 36.4380, 0.3477, 0.5189.



This preview shows how white text looks on a background with the Yxy color 36.4380, 0.3477, 0.5189.

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

36.4380, 0.3477, 0.5189

Protanopia

35.9034, 0.4240, 0.4674

Deuteranopia

36.0379, 0.4452, 0.4356



Tritanopia

36.2079, 0.2749, 0.3081

Trichromacy



Original Color

36.4380, 0.3477, 0.5189

Protanomaly

35.5223, 0.3943, 0.4877

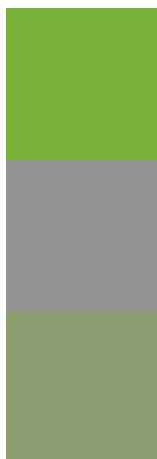
Deuteranomaly

35.3020, 0.4081, 0.4654

Tritanomaly

35.6209, 0.3056, 0.3869

Monochromacy



Original Color

36.4380, 0.3477, 0.5189

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.3295, 0.3315, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4380, 0.3477, 0.5189 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(119, 179, 55)` looks like.

```
.text, #text, p{  
    color:rgb(119, 179, 55)  
}
```

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(119, 179, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 179, 55) }
```

Border

The CSS property to change the border of an element to Yxy 36.4380, 0.3477, 0.5189 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(119, 179, 55) }
```

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

```
.border{ border-color:rgb(119, 179, 55) }
```

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

Here you see how a box with a 4 pixel rgb(119, 179, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 179, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 179, 55);  
box-shadow:4px 4px 4px 4px rgb(119, 179,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4380, 0.3477, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 179, 55) }
```

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

```
.background{ background-color: rgb(119,  
179, 55) }
```

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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