

Converting Colors

$Y_{xy}(37.8213, 0.3486, 0.5101)$

Have a look what the booklet for
Yxy(37.8213, 0.3486, 0.5101)
contains.

| | |
|--|----|
| Yxy(37.7555, 0.3489, 0.5096) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(37.7555, 0.3489, 0.5096)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 7DB53E |
| RGB | 125, 181, 62 |
| RGB Percent | 49%, 71%, 24% |
| CMY | 0.5099, 0.2902, 0.7568 |
| CMYK | 0.31, 0.00, 0.66, 0.29 |
| HSL | 88°, 49%, 48% |
| HSV | 88°, 66%, 71% |
| XYZ | 25.8495, 37.7555, 10.4835 |
| YIQ | 150.6900, 4.8230, -48.8810 |

Conversions

Conversions Part 2

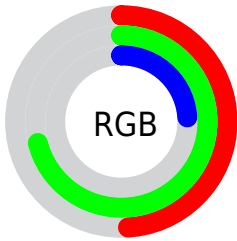
| Format | Color |
|-------------------------------------|--|
| RYB | 62, 181, 118 |
| Decimal | 8238398 |
| CIELab | 67.84, -37.43, 52.88 |
| CIELCh | 68, 64.792, 125.291 |
| Yxy | 37.7555, 0.3489, 0.5096 |
| Android (android.graphics.Color) | 4286428478 (0xFF7DB53E) |
| YUV | 150.6900, -43.7242, -22.5301 |
| Hunter-Lab | 61.4455, -32.4366, 32.8961 |

Details

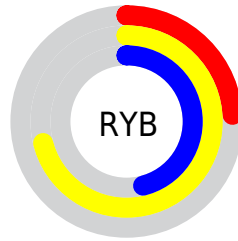
The Yxy color **37.7555, 0.3489, 0.5096** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.6365, 0.2402, 0.1457**, and the grayscale version is **30.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6299, 0.3465, 0.4733**, and **16.7779, 0.3463, 0.5632** is the 20% darker color. If you saturate the color by 10%, you get **36.9764, 0.3491, 0.5324**, and if you desaturate by 10%, it is **38.6591, 0.3466, 0.4832**.

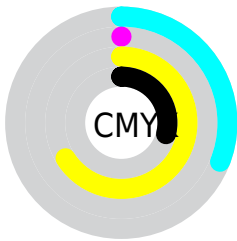
Distribution



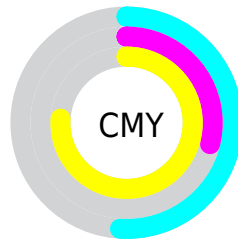
- Red (49%)
- Green (71%)
- Blue (24%)



- Red (24%)
- Yellow (71%)
- Blue (46%)



- Cyan (31%)
- Magenta (0%)
- Yellow (66%)
- Black (29%)





- Cyan (51%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7555, 0.3489, 0.5096 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 37.7555, 0.3489, 0.5096 by changing the saturation by 10% instead.


 37.7555, 0.3489,
0.5096


 37.7555, 0.3489,
0.5096


336.5700, 0.3363,
0.4127

 25.7930, 0.3491,
0.5346


 71.7332, 0.3463,
0.4734

 16.6688, 0.3472,
0.5664


 94.5172, 0.3446,
0.4601

 9.9987, 0.3404,
0.6071


 121.6772, 0.3430,
0.4489

 5.3981, 0.3289,
0.6711

 153.5975, 0.3415,
0.4394

 2.4827, 0.2808,
0.7192

 190.6625, 0.3401,
0.4313

 0.8679, 0.0000,
1.0000

233.2567, 0.3387,

 0.0000, 0.0000,

0.4242

0.0000

281.7644, 0.3375,
0.4181

■ 37.7555, 0.3489,
0.5096

■ 37.7555, 0.3489,
0.5096

■ 36.9764, 0.3491,
0.5324

■ 38.6591, 0.3466,
0.4832

■ 36.3086, 0.3470,
0.5504

■ 39.6895, 0.3426,
0.4547

■ 35.7437, 0.3428,
0.5631

■ 40.8549, 0.3371,
0.4254

■ 35.5259, 0.3408,
0.5676

■ 42.1613, 0.3308,
0.3965

■ 43.6144, 0.3239,
0.3689

■ 45.2193, 0.3168,
0.3430

■ 46.9810, 0.3097,
0.3191

■ 48.9043, 0.3028,
0.2974

■ 50.9936, 0.2963,
0.2779

Harmonies

Analogous

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



37.7555, 0.4328, 0.4787



37.7555, 0.3489, 0.5096



37.7555, 0.2603, 0.4669

Triad

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



37.7555, 0.3489, 0.5096



37.7555, 0.1572, 0.2089



37.7555, 0.4426, 0.2845

Complementary

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



37.7555, 0.3489, 0.5096



10.6365, 0.2402, 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.



37.7555, 0.3462, 0.2316



37.7555, 0.3489, 0.5096



37.7555, 0.1886, 0.1889

Square

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



37.7555, 0.3489, 0.5096



37.7555, 0.1571, 0.2657



37.7555, 0.2529, 0.1979



37.7555, 0.4980, 0.3478

Rectangle

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



37.7555, 0.3489, 0.5096



37.7555, 0.2107, 0.4001



37.7555, 0.2529, 0.1979



37.7555, 0.4129, 0.2653

Sweetspot

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



37.7572, 0.3489, 0.5096



76.8781, 0.3271, 0.3814



23.0217, 0.4624, 0.4040



16.4622, 0.3290, 0.3891



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.



37.7572, 0.3489, 0.5096



65.6473, 0.3484, 0.5413



34.5557, 0.3050, 0.5367



9.7040, 0.3193, 0.3520



24.5305, 0.3416, 0.5669



0.8062, 0.3629, 0.5501

Inverse Universe

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



10.6365, 0.2402, 0.1457



13.4716, 0.2204, 0.1130



16.1346, 0.3145, 0.1799



8.4197, 0.3056, 0.3060



3.6787, 0.1982, 0.0865



0.1506, 0.2305, 0.1043

Previews

White Background



This preview shows how the Yxy color 37.7555, 0.3489, 0.5096 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 37.7555, 0.3489, 0.5096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

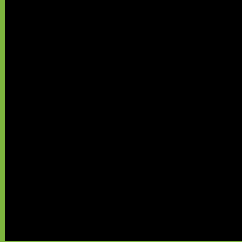
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7555, 0.3489, 0.5096

Background



This preview shows how black text looks on a background with the Yxy color 37.7555, 0.3489, 0.5096.



This preview shows how white text looks on a background with the Yxy color 37.7555, 0.3489, 0.5096.

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

37.7555, 0.3489, 0.5096

Protanopia

37.4061, 0.4205, 0.4628

Deuteranopia

37.3935, 0.4402, 0.4325



Tritanopia

37.4576, 0.2777, 0.3085

Trichromacy



Original Color

37.7555, 0.3489, 0.5096

Protanomaly

37.2281, 0.3935, 0.4810

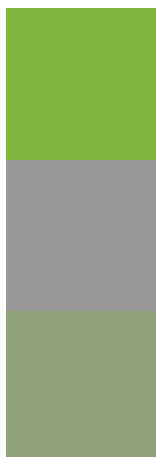
Deuteranomaly

36.7916, 0.4050, 0.4609

Tritanomaly

36.9021, 0.3067, 0.3825

Monochromacy



Original Color

37.7555, 0.3489, 0.5096

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.9234, 0.3314, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7555, 0.3489, 0.5096 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(125, 181, 62)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 62)  
}
```

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(125, 181, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 62) }
```

Border

The CSS property to change the border of an element to Yxy 37.7555, 0.3489, 0.5096 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(125, 181, 62) }
```

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

```
.border{ border-color:rgb(125, 181, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 62);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7555, 0.3489, 0.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 62) }
```

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

```
.background{ background-color: rgb(125,  
181, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor