

Converting Colors

Yxy(37.6423, 0.3396, 0.5103)

Have a look what the booklet for
Yxy(37.6423, 0.3396, 0.5103)
contains.

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Color

Yxy(37.6312, 0.3395, 0.5101)

Conversions

Conversions Part 1	
Format	Color
Hex	75B642
RGB	117, 182, 66
RGB Percent	46%, 71%, 26%
CMY	0.5412, 0.2862, 0.7412
CMYK	0.36, 0.00, 0.64, 0.29
HSL	94°, 47%, 49%
HSV	94°, 64%, 71%
XYZ	25.0457, 37.6312, 11.0953
YIQ	149.3410, -1.5040, -49.8560

Conversions

Conversions Part 2

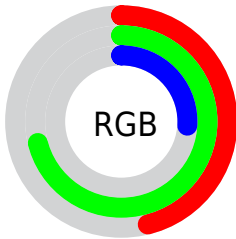
Format	Color
RYB	66, 182, 131
Decimal	7714370
CIELab	67.75, -40.43, 50.98
CIELCh	68, 65.062, 128.417
Yxy	37.6312, 0.3395, 0.5101
Android (android.graphics.Color)	4285904450 (0xFF75B642)
YUV	149.3410, -41.0871, -28.3631
Hunter-Lab	61.3443, -34.4744, 32.2172

Details

The Yxy color **37.6312, 0.3395, 0.5101** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.0987, 0.2552, 0.1563**, and the grayscale version is **30.3821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3652, 0.3386, 0.4725**, and **16.4691, 0.3359, 0.5690** is the 20% darker color. If you saturate the color by 10%, you get **36.7829, 0.3390, 0.5352**, and if you desaturate by 10%, it is **38.6281, 0.3381, 0.4817**.

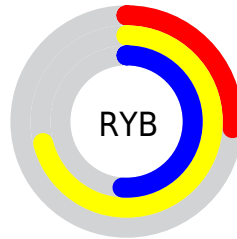
Distribution



Red (46%)

Green (71%)

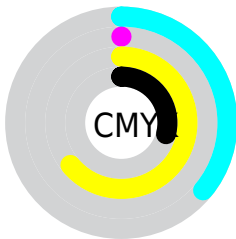
Blue (26%)



Red (26%)

Yellow (71%)

Blue (51%)

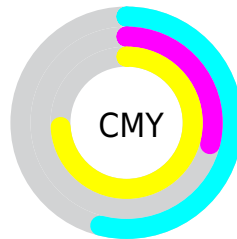


Cyan (36%)

Magenta (0%)

Yellow (64%)

Black (29%)



Cyan (54%)

Magenta (29%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6312, 0.3395, 0.5101 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 37.6312, 0.3395, 0.5101 by changing the saturation by 10% instead.

 37.6312, 0.3395,
0.5101


 37.6312, 0.3395,
0.5101


 336.0353, 0.3316,
0.4120


 25.6966, 0.3387,
0.5359

 71.5425, 0.3385,
0.4732


 16.5968, 0.3355,
0.5690


 94.2880, 0.3375,
0.4597


 9.9474, 0.3272,
0.6121

 121.4059, 0.3364,
0.4484

 5.3641, 0.3155,
0.6845

 153.2806, 0.3354,
0.4388

 2.4624, 0.2635,
0.7365

 190.2965, 0.3343,
0.4307

 0.8577, 0.0000,
1.0000

 232.8379, 0.3333,

 0.0000, 0.0000,


0.4236


0.0000


281.2894, 0.3324,
0.4175

 37.6312, 0.3395,
0.5101


 37.6312, 0.3395,
0.5101

 36.7829, 0.3390,
0.5352


 38.6281, 0.3381,
0.4817

 36.0690, 0.3365,
0.5556


 39.7768, 0.3352,
0.4515


 35.4805, 0.3321,
0.5701

 41.0866, 0.3310,
0.4211


 35.1643, 0.3288,
0.5771


 42.5642, 0.3260,
0.3916

 44.2162, 0.3205,
0.3638

 46.0486, 0.3148,
0.3380

 48.0672, 0.3092,
0.3146

 50.2775, 0.3037,
0.2936

 52.6848, 0.2984,
0.2747

Harmonies

Analogous

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



37.6312, 0.4253, 0.4848



37.6312, 0.3395, 0.5101



37.6312, 0.2514, 0.4586

Triad

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



37.6312, 0.3395, 0.5101



37.6312, 0.1584, 0.2047



37.6312, 0.4517, 0.2905

Complementary

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



37.6312, 0.3395, 0.5101



12.0987, 0.2552, 0.1563

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.



37.6312, 0.3570, 0.2360



37.6312, 0.3395, 0.5101



37.6312, 0.1933, 0.1880

Square

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



37.6312, 0.3395, 0.5101



37.6312, 0.1549, 0.2574



37.6312, 0.2612, 0.1998



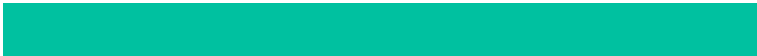
37.6312, 0.5011, 0.3547

Rectangle

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



37.6312, 0.3395, 0.5101



37.6312, 0.2036, 0.3887



37.6312, 0.2612, 0.1998



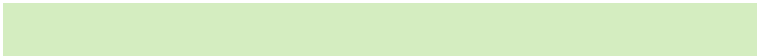
37.6312, 0.4231, 0.2708

Sweetspot

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



37.6328, 0.3395, 0.5101



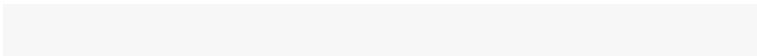
78.4469, 0.3236, 0.3791



26.2508, 0.4466, 0.4153



17.1417, 0.3252, 0.3871



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.6328, 0.3395, 0.5101



66.1958, 0.3383, 0.5430



35.0817, 0.3005, 0.5234



10.2480, 0.3180, 0.3522



24.8686, 0.3297, 0.5764



0.9134, 0.3509, 0.5596

Inverse Universe

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



12.0987, 0.2552, 0.1563



16.3027, 0.2393, 0.1265



16.9837, 0.3269, 0.1908



8.9610, 0.3070, 0.3060



4.4198, 0.2158, 0.0963



0.1918, 0.2426, 0.1110

Previews

White Background



This preview shows how the Yxy color 37.6312, 0.3395, 0.5101 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 37.6312, 0.3395, 0.5101 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 37.6312, 0.3395, 0.5101

Background



This preview shows how black text looks on a background with the Yxy color 37.6312, 0.3395, 0.5101.



This preview shows how white text looks on a background with the Yxy color 37.6312, 0.3395, 0.5101.

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

37.6312, 0.3395, 0.5101

Protanopia

37.3145, 0.4177, 0.4608

Deuteranopia

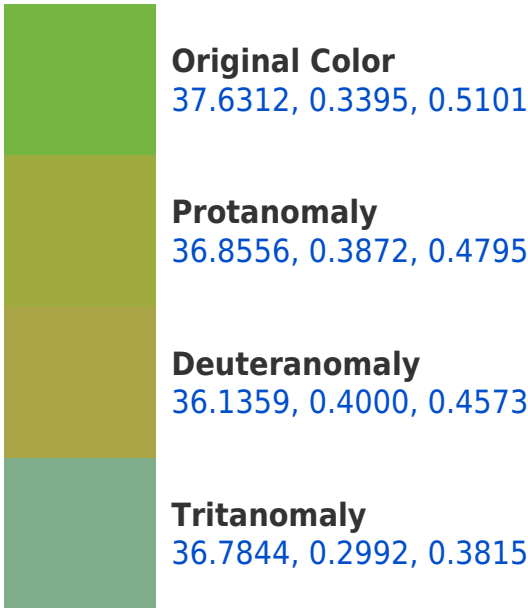
36.9679, 0.4372, 0.4281



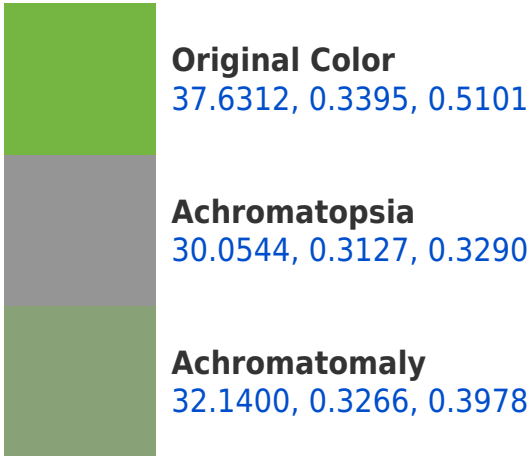
Tritanopia

37.2785, 0.2717, 0.3082

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6312, 0.3395, 0.5101 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(117, 182, 66)` looks like.

```
.text, #text, p{  
    color:rgb(117, 182, 66)  
}
```

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(117, 182, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 182, 66) }
```

Border

The CSS property to change the border of an element to Yxy 37.6312, 0.3395, 0.5101 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(117, 182, 66) }
```

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

```
.border{ border-color:rgb(117, 182, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 182, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 182, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 182, 66);  
box-shadow:4px 4px 4px 4px rgb(117, 182,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6312, 0.3395, 0.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 182, 66) }
```

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

```
.background{ background-color: rgb(117,  
182, 66) }
```

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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