

Converting Colors

$Y_{xy}(16.0500, 0.3770, 0.4928)$

Have a look what the booklet for
Yxy(16.0500, 0.3770, 0.4928)
contains.

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Color

Yxy(16.0939, 0.3772, 0.4937)

Conversions

Conversions Part 1

Format	Color
Hex	657725
RGB	101, 119, 37
RGB Percent	40%, 47%, 15%
CMY	0.6040, 0.5333, 0.8549
CMYK	0.15, 0.00, 0.69, 0.53
HSL	73°, 53%, 31%
HSV	73°, 69%, 47%
XYZ	12.2962, 16.0939, 4.2085
YIQ	104.2700, 15.5940, -29.3180

Conversions

Conversions Part 2

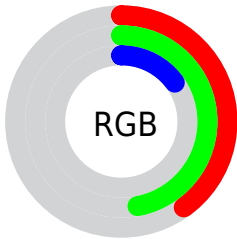
Format	Color
R_YB	37, 119, 55
Decimal	6649637
CIE _{Lab}	47.10, -19.09, 41.17
CIE _{LCh}	47, 45.379, 114.880
Yxy	16.0939, 0.3772, 0.4937
Android (android.graphics.Color)	4284839717 (0xFF657725)
YUV	104.2700, -33.1641, -2.8678
Hunter-Lab	40.1172, -15.4938, 21.8623

Details

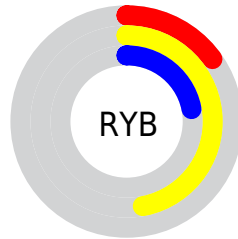
The Yxy color **16.0939, 0.3772, 0.4937** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4682, 0.2073, 0.1291**, and the grayscale version is **14.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6840, 0.3663, 0.4538**, and **5.2103, 0.3752, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **15.8831, 0.3811, 0.5107**, and if you desaturate by 10%, it is **16.3353, 0.3712, 0.4732**.

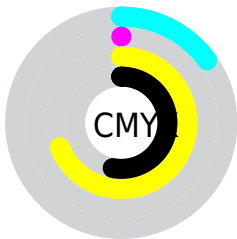
Distribution



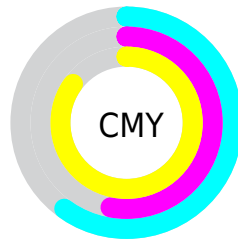
- Red (40%)
- Green (47%)
- Blue (15%)



- Red (15%)
- Yellow (47%)
- Blue (22%)



- Cyan (15%)
- Magenta (0%)
- Yellow (69%)
- Black (53%)





- Cyan (60%)
- Magenta (53%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0939, 0.3772, 0.4937 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 16.0939, 0.3772, 0.4937 by changing the saturation by 10% instead.


 16.0939, 0.3772,
0.4937


 16.0939, 0.3772,
0.4937


 229.8952, 0.3447,
0.3960


 9.5906, 0.3825,
0.5226


 36.7611, 0.3665,
0.4544


 5.1284, 0.3896,
0.5675

 51.6939, 0.3619,
0.4408


 2.3228, 0.3818,
0.6182

 70.2053, 0.3580,
0.4297

 0.7857, 0.2632,
0.7368

 92.6796, 0.3546,
0.4206

 0.0000, 0.0000,
0.0000

 119.5014, 0.3516,
0.4129

 151.0550, 0.3490,

0.4064

187.7248, 0.3467,
0.4009

■ 16.0939, 0.3772,
0.4937

■ 16.0939, 0.3772,
0.4937

■ 15.8831, 0.3811,
0.5107

■ 16.3353, 0.3712,
0.4732

■ 15.6983, 0.3826,
0.5236

■ 16.6074, 0.3633,
0.4501

■ 15.5324, 0.3824,
0.5335

■ 16.9129, 0.3540,
0.4253

■ 15.5147, 0.3824,
0.5346

■ 17.2534, 0.3438,
0.3999

■ 17.6307, 0.3331,
0.3745

■ 18.0462, 0.3222,
0.3499

■ 18.5015, 0.3116,
0.3265

■ 18.9978, 0.3013,
0.3046

■ 19.5364, 0.2915,
0.2843

Harmonies

Analogous

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



16.0939, 0.4494, 0.4523



16.0939, 0.3772, 0.4937



16.0939, 0.2928, 0.4785

Triad

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



16.0939, 0.3772, 0.4937



16.0939, 0.1622, 0.2310



16.0939, 0.4050, 0.2686

Complementary

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



16.0939, 0.3772, 0.4937



3.4682, 0.2073, 0.1291

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.



16.0939, 0.3120, 0.2237



16.0939, 0.3772, 0.4937



16.0939, 0.1819, 0.2001

Square

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



16.0939, 0.3772, 0.4937



16.0939, 0.1734, 0.2986



16.0939, 0.2322, 0.1993



16.0939, 0.4739, 0.3267

Rectangle

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



16.0939, 0.3772, 0.4937



16.0939, 0.2407, 0.4288



16.0939, 0.2322, 0.1993



16.0939, 0.3745, 0.2518

Sweetspot

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



16.0946, 0.3772, 0.4937



31.3839, 0.3359, 0.3811



6.7665, 0.4991, 0.3632



7.4020, 0.3383, 0.3867



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.0946, 0.3772, 0.4937



28.2282, 0.3823, 0.5192



14.2969, 0.3244, 0.5266



4.2276, 0.3224, 0.3502



16.4772, 0.3823, 0.5347



79.9079, 0.3802, 0.5363

Inverse Universe

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



3.4682, 0.2073, 0.1291



3.9508, 0.1820, 0.0909



5.1297, 0.2756, 0.1608



3.6251, 0.3026, 0.3073



1.6468, 0.1642, 0.0678



7.7060, 0.1603, 0.0657

Previews

White Background



This preview shows how the Yxy color 16.0939, 0.3772, 0.4937 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 16.0939, 0.3772, 0.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

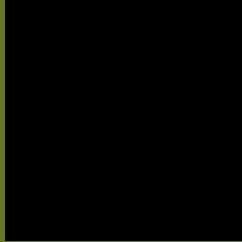
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0939, 0.3772, 0.4937

Background



This preview shows how black text looks on a background with the Yxy color 16.0939, 0.3772, 0.4937.



This preview shows how white text looks on a background with the Yxy color 16.0939, 0.3772, 0.4937.

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

16.0939, 0.3772, 0.4937

Protanopia

16.0697, 0.4213, 0.4651

Deuteranopia

15.9642, 0.4431, 0.4362



Tritanopia

16.0399, 0.3005, 0.3109

Trichromacy



Original Color

16.0939, 0.3772, 0.4937

Protanomaly

16.1018, 0.4038, 0.4762

Deuteranomaly

15.8821, 0.4184, 0.4575

Tritanomaly

15.8986, 0.3329, 0.3801

Monochromacy



Original Color

16.0939, 0.3772, 0.4937

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4000, 0.3416, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0939, 0.3772, 0.4937 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(101, 119, 37)` looks like.

```
.text, #text, p{  
    color:rgb(101, 119, 37)  
}
```

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(101, 119, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 119, 37) }
```

Border

The CSS property to change the border of an element to Yxy 16.0939, 0.3772, 0.4937 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(101, 119, 37) }
```

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

```
.border{ border-color:rgb(101, 119, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 119, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 119, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 119, 37);  
box-shadow:4px 4px 4px 4px rgb(101, 119,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0939, 0.3772, 0.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 119, 37) }
```

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

```
.background{ background-color: rgb(101,  
119, 37) }
```

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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