

Converting Colors

$Y_{xy}(16.1996, 0.3824, 0.5158)$

Have a look what the booklet for
Yxy(16.1996, 0.3824, 0.5158)
contains.

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Color

Yxy(16.1397, 0.3829, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	637815
RGB	99, 120, 21
RGB Percent	39%, 47%, 8%
CMY	0.6119, 0.5294, 0.9177
CMYK	0.18, 0.00, 0.83, 0.53
HSL	73°, 70%, 28%
HSV	73°, 83%, 47%
XYZ	11.9951, 16.1397, 3.1922
YIQ	102.4350, 19.2630, -35.2410

Conversions

Conversions Part 2

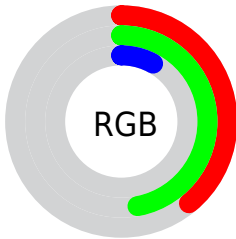
Format	Color
R_{YB}	21, 120, 42
Decimal	6518805
CIE _{Lab}	47.16, -21.43, 47.22
CIE _{LCh}	47, 51.857, 114.410
Yxy	16.1397, 0.3829, 0.5152
Android (android.graphics.Color)	4284708885 (0xFF637815)
YUV	102.4350, -40.1475, -3.0125
Hunter-Lab	40.1742, -17.0088, 23.4108

Details

The Yxy color **16.1397, 0.3829, 0.5152** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3855, 0.1847, 0.0955**, and the grayscale version is **13.5097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7718, 0.3737, 0.4718**, and **5.1594, 0.3709, 0.5437** is the 20% darker color. If you saturate the color by 10%, you get **15.9647, 0.3837, 0.5264**, and if you desaturate by 10%, it is **16.3419, 0.3798, 0.4998**.

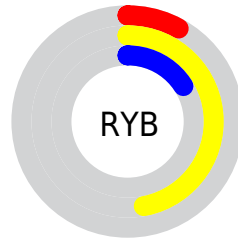
Distribution



Red (39%)

Green (47%)

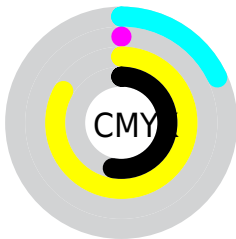
Blue (8%)



Red (8%)

Yellow (47%)

Blue (16%)

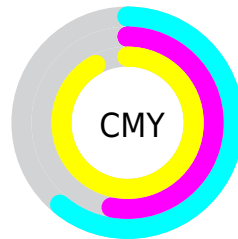


Cyan (18%)

Magenta (0%)

Yellow (83%)

Black (53%)



Cyan (61%)


Magenta (53%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1397, 0.3829, 0.5152 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 16.1397, 0.3829, 0.5152 by changing the saturation by 10% instead.


 16.1397, 0.3829,
0.5152


 16.1397, 0.3829,
0.5152


 230.1647, 0.3494,
0.4059


 9.6231, 0.3864,
0.5459


 36.8406, 0.3729,
0.4721


 5.1498, 0.3970,
0.6030

 51.7936, 0.3683,
0.4567

 2.3354, 0.3686,
0.6314

 70.3275, 0.3641,
0.4442

 0.7924, 0.2249,
0.7751

 92.8267, 0.3604,
0.4339


 0.0000, 0.0000,
0.0000


 119.6757, 0.3571,
0.4252


 151.2587, 0.3542,


0.4178


 187.9602, 0.3517,
0.4114


 16.1397, 0.3829,
0.5152


 16.1397, 0.3829,
0.5152


 15.9647, 0.3837,
0.5264


 16.3419, 0.3798,
0.4998

 15.8420, 0.3836,
0.5337

 16.5720, 0.3744,
0.4806

 16.8330, 0.3670,
0.4585

 17.1270, 0.3580,
0.4343

 17.4558, 0.3480,
0.4090

■ 17.8212, 0.3372,
0.3836

■ 18.2248, 0.3263,
0.3587

■ 18.6680, 0.3154,
0.3348

■ 19.1522, 0.3048,
0.3123

Harmonies

Analogous

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



16.1397, 0.4644, 0.4624



16.1397, 0.3829, 0.5152



16.1397, 0.2890, 0.5038

Triad

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



16.1397, 0.3829, 0.5152



16.1397, 0.1460, 0.2186



16.1397, 0.4159, 0.2599

Complementary

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



16.1397, 0.3829, 0.5152



2.3855, 0.1847, 0.0955

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.



16.1397, 0.3094, 0.2113



16.1397, 0.3829, 0.5152



16.1397, 0.1669, 0.1857

Square

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



16.1397, 0.3829, 0.5152



16.1397, 0.1577, 0.2938



16.1397, 0.2209, 0.1851



16.1397, 0.4954, 0.3226

Rectangle

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



16.1397, 0.3829, 0.5152



16.1397, 0.2310, 0.4465



16.1397, 0.2209, 0.1851



16.1397, 0.3807, 0.2417

Sweetspot

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



16.1404, 0.3829, 0.5152



31.1323, 0.3406, 0.3915



5.6200, 0.5548, 0.3597



7.3345, 0.3437, 0.3987



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.



16.1404, 0.3829, 0.5152



27.8280, 0.3828, 0.5335



14.1854, 0.3229, 0.5584



4.5930, 0.3225, 0.3504



17.2736, 0.3834, 0.5338



82.0201, 0.3815, 0.5353

Inverse Universe

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



2.3855, 0.1847, 0.0955



2.7636, 0.1628, 0.0677



4.0816, 0.2624, 0.1355



3.9308, 0.3024, 0.3071



1.7063, 0.1633, 0.0673



7.8312, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 16.1397, 0.3829, 0.5152 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 16.1397, 0.3829, 0.5152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

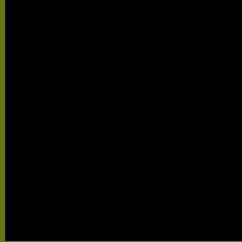
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1397, 0.3829, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 16.1397, 0.3829, 0.5152.



This preview shows how white text looks on a background with the Yxy color 16.1397, 0.3829, 0.5152.

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

16.1397, 0.3829, 0.5152

Protanopia

16.0710, 0.4328, 0.4792

Deuteranopia

15.9722, 0.4554, 0.4492



Tritanopia

16.2200, 0.2981, 0.3109

Trichromacy



Original Color

16.1397, 0.3829, 0.5152

Protanomaly

16.0250, 0.4138, 0.4926

Deuteranomaly

15.8034, 0.4289, 0.4731

Tritanomaly

15.9206, 0.3360, 0.3934

Monochromacy



Original Color

16.1397, 0.3829, 0.5152

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1850, 0.3476, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1397, 0.3829, 0.5152 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(99, 120, 21)` looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 21)  
}
```

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(99, 120, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 21) }
```

Border

The CSS property to change the border of an element to Yxy 16.1397, 0.3829, 0.5152 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(99, 120, 21) }
```

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

```
.border{ border-color:rgb(99, 120, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 120, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 21);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1397, 0.3829, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 21) }
```

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

```
.background{ background-color: rgb(99, 120,  
21) }
```

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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