

Converting Colors

$Y_{xy}(16.0773, 0.3927, 0.5328)$

Have a look what the booklet for
Yxy(16.0773, 0.3927, 0.5328)
contains.

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Color

Yxy(16.0856, 0.3898, 0.5287)

Conversions

Conversions Part 1

Format	Color
Hex	637800
RGB	99, 120, 0
RGB Percent	39%, 47%, 0%
CMY	0.6119, 0.5294, 1.0000
CMYK	0.18, 0.00, 1.00, 0.53
HSL	71°, 100%, 24%
HSV	71°, 100%, 47%
XYZ	11.8596, 16.0856, 2.4796
YIQ	100.0410, 26.0040, -41.7720

Conversions

Conversions Part 2

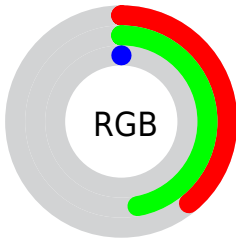
Format	Color
RYB	0, 120, 21
Decimal	6518784
CIELab	47.09, -22.07, 52.08
CIELCh	47, 56.565, 112.970
Yxy	16.0856, 0.3898, 0.5287
Android (android.graphics.Color)	4284708864 (0xFF637800)
YUV	100.0410, -49.3202, -0.9130
Hunter-Lab	40.1069, -17.4046, 24.4092

Details

The Yxy color **16.0856, 0.3898, 0.5287** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5163, 0.1603, 0.0657**, and the grayscale version is **12.8775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6362, 0.3804, 0.4841**, and **5.1349, 0.3688, 0.5454** is the 20% darker color. If you saturate the color by 10%, you get **16.0863, 0.3898, 0.5287**, and if you desaturate by 10%, it is **16.2329, 0.3893, 0.5197**.

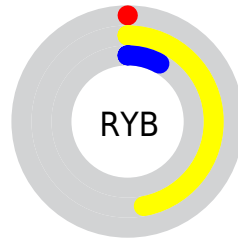
Distribution



Red (39%)

Green (47%)

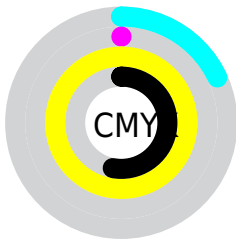
Blue (0%)



Red (0%)

Yellow (47%)

Blue (8%)

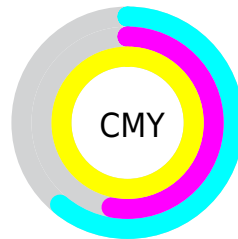


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (61%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0856, 0.3898, 0.5287 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 16.0856, 0.3898, 0.5287 by changing the saturation by 10% instead.


 16.0856, 0.3898,
0.5287


 16.0856, 0.3898,
0.5287


 229.8463, 0.3544,
0.4130


 9.5847, 0.3922,
0.5594


 36.7467, 0.3801,
0.4840


 5.1245, 0.3940,
0.6060

 51.6758, 0.3752,
0.4678


 2.3205, 0.3646,
0.6354

 70.1831, 0.3707,
0.4544

 0.7845, 0.2086,
0.7914


 92.6530, 0.3667,
0.4433

 0.0000, 0.0000,
0.0000

 119.4698, 0.3631,
0.4339

 151.0181, 0.3599,

0.4259

 187.6821, 0.3570,
0.4190


 16.0856, 0.3898,
0.5287


 16.0856, 0.3898,
0.5287


 16.0863, 0.3898,
0.5287

 16.2329, 0.3893,
0.5197

 16.3954, 0.3873,
0.5082

 16.5832, 0.3830,
0.4925

 16.7986, 0.3764,
0.4733

 17.0441, 0.3680,
0.4512

■ 17.3216, 0.3580,
0.4272

■ 17.6329, 0.3471,
0.4022

■ 17.9796, 0.3357,
0.3771

■ 18.3634, 0.3241,
0.3525

Harmonies

Analogous

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



16.0856, 0.4771, 0.4655



16.0856, 0.3898, 0.5287



16.0856, 0.2895, 0.5252

Triad

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



16.0856, 0.3898, 0.5287



16.0856, 0.1347, 0.2118



16.0856, 0.4194, 0.2513

Complementary

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



16.0856, 0.3898, 0.5287



1.5163, 0.1603, 0.0657

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.



16.0856, 0.3031, 0.2011



16.0856, 0.3898, 0.5287



16.0856, 0.1550, 0.1762

Square

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



16.0856, 0.3898, 0.5287



16.0856, 0.1478, 0.2943



16.0856, 0.2099, 0.1747



16.0856, 0.5089, 0.3165

Rectangle

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



16.0856, 0.3898, 0.5287



16.0856, 0.2271, 0.4647



16.0856, 0.2099, 0.1747



16.0856, 0.3806, 0.2324

Sweetspot

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



16.0863, 0.3898, 0.5287



30.9650, 0.3479, 0.4040



4.4943, 0.6181, 0.3474



7.2929, 0.3517, 0.4126



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.



16.0863, 0.3898, 0.5287



28.2369, 0.3891, 0.5293



13.8866, 0.3196, 0.5845



4.6001, 0.3231, 0.3503



17.5407, 0.3897, 0.5288



83.3410, 0.3881, 0.5301

Inverse Universe

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



1.5163, 0.1603, 0.0657



2.6218, 0.1587, 0.0648



3.0622, 0.2412, 0.1103



3.9242, 0.3018, 0.3071



1.6489, 0.1600, 0.0655



7.5981, 0.1568, 0.0637

Previews

White Background



This preview shows how the Yxy color 16.0856, 0.3898, 0.5287 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 16.0856, 0.3898, 0.5287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

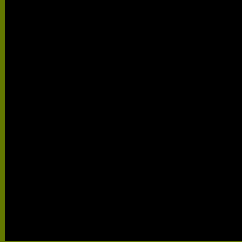
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0856, 0.3898, 0.5287

Background



This preview shows how black text looks on a background with the Yxy color 16.0856, 0.3898, 0.5287.



This preview shows how white text looks on a background with the Yxy color 16.0856, 0.3898, 0.5287.

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

16.0856, 0.3898, 0.5287

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0249, 0.4618, 0.4547



Tritanopia

16.1956, 0.2993, 0.3129

Trichromacy



Original Color

16.0856, 0.3898, 0.5287

Protanomaly

15.9745, 0.4208, 0.5041

Deuteranomaly

15.8336, 0.4368, 0.4816

Tritanomaly

15.7865, 0.3468, 0.4129

Monochromacy



Original Color

16.0856, 0.3898, 0.5287

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.5949, 0.3585, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0856, 0.3898, 0.5287 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.0856, 0.3898, 0.5287 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, 0) }
```

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

```
.border{ border-color:rgb(99, 120, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 120, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0856, 0.3898, 0.5287 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, 0) }
```

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

```
.background{ background-color: rgb(99, 120,  
0) }
```

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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