

Converting Colors

$Y_{xy}(16.2018, 0.3990, 0.4781)$

Have a look what the booklet for
Yxy(16.2018, 0.3990, 0.4781)
contains.

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Color

Yxy(16.2018, 0.3990, 0.4781)

Conversions

Conversions Part 1

Format	Color
Hex	727425
RGB	114, 116, 37
RGB Percent	45%, 45%, 15%
CMY	0.5528, 0.5451, 0.8549
CMYK	0.02, 0.00, 0.68, 0.55
HSL	61°, 52%, 30%
HSV	61°, 68%, 45%
XYZ	13.5213, 16.2018, 4.1648
YIQ	106.3960, 24.1670, -24.9930

Conversions

Conversions Part 2

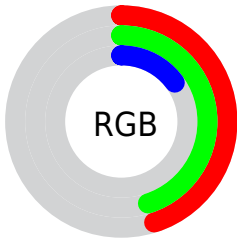
Format	Color
R_{YB}	37, 116, 39
Decimal	7500837
CIE _{Lab}	47.24, -11.56, 41.64
CIE _{LCh}	47, 43.220, 105.520
Yxy	16.2018, 0.3990, 0.4781
Android (android.graphics.Color)	4285690917 (0xFF727425)
YUV	106.3960, -34.2122, 6.6687
Hunter-Lab	40.2515, -10.4783, 22.0413

Details

The Yxy color **16.2018, 0.3990, 0.4781** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0149, 0.1896, 0.1229**, and the grayscale version is **14.6199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0182, 0.3823, 0.4440**, and **5.1910, 0.4079, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **16.1215, 0.4064, 0.4915**, and if you desaturate by 10%, it is **16.3068, 0.3894, 0.4611**.

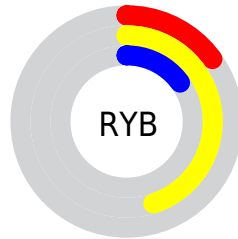
Distribution



Red (45%)

Green (45%)

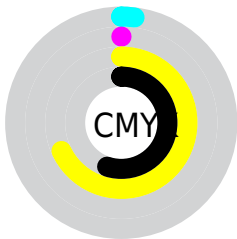
Blue (15%)



Red (15%)

Yellow (45%)

Blue (15%)

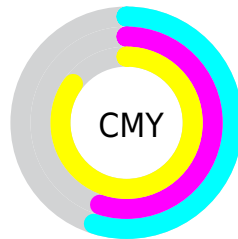


Cyan (2%)

Magenta (0%)

Yellow (68%)

Black (55%)



Cyan (55%)

Magenta (55%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2018, 0.3990, 0.4781 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 16.2018, 0.3990, 0.4781 by changing the saturation by 10% instead.


 16.2018, 0.3990,
0.4781


 16.2018, 0.3990,
0.4781


 230.5296, 0.3532,
0.3918


 9.6671, 0.4087,
0.5022


 36.9482, 0.3827,
0.4443


 5.1788, 0.4226,
0.5388

 51.9286, 0.3764,
0.4322

 2.3525, 0.4248,
0.5752

 70.4931, 0.3709,
0.4223

 0.8013, 0.3743,
0.6257

 93.0260, 0.3663,
0.4141

 0.0000, 0.0000,
0.0000

 119.9117, 0.3623,
0.4072

 151.5346, 0.3589,

0.4013

188.2791, 0.3558,
0.3962

■ 16.2018, 0.3990,
0.4781

■ 16.2018, 0.3990,
0.4781

■ 16.1215, 0.4064,
0.4915

■ 16.3068, 0.3894,
0.4611

■ 16.0614, 0.4114,
0.5009

■ 16.4363, 0.3781,
0.4412

■ 16.0158, 0.4146,
0.5073

■ 16.5927, 0.3653,
0.4191

■ 16.0074, 0.4152,
0.5085

■ 16.7778, 0.3517,
0.3956

■ 16.9930, 0.3377,
0.3716

■ 17.2396, 0.3238,
0.3478

■ 17.5191, 0.3102,
0.3247

■ 17.8325, 0.2972,
0.3027

■ 18.1811, 0.2850,
0.2821

Harmonies

Analogous

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



16.2018, 0.4598, 0.4305



16.2018, 0.3990, 0.4781



16.2018, 0.3198, 0.4823

Triad

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



16.2018, 0.3990, 0.4781



16.2018, 0.1683, 0.2521



16.2018, 0.3736, 0.2561

Complementary

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



16.2018, 0.3990, 0.4781



3.0149, 0.1896, 0.1229

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.



16.2018, 0.2861, 0.2182



16.2018, 0.3990, 0.4781



16.2018, 0.1781, 0.2115

Square

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



16.2018, 0.3990, 0.4781



16.2018, 0.1894, 0.3277



16.2018, 0.2175, 0.2020



16.2018, 0.4503, 0.3092

Rectangle

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



16.2018, 0.3990, 0.4781



16.2018, 0.2669, 0.4482



16.2018, 0.2175, 0.2020



16.2018, 0.3438, 0.2414

Sweetspot

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



16.2025, 0.3990, 0.4781



29.7770, 0.3411, 0.3774



5.2530, 0.5207, 0.3320



7.0832, 0.3442, 0.3827



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.2025, 0.3990, 0.4781



28.2737, 0.4096, 0.4976



14.1266, 0.3440, 0.5119



4.2618, 0.3251, 0.3500



17.9640, 0.4151, 0.5086



87.4827, 0.4149, 0.5088

Inverse Universe

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



3.0149, 0.1896, 0.1229



3.2825, 0.1656, 0.0840



4.1960, 0.2470, 0.1493



3.5938, 0.2998, 0.3071



1.4348, 0.1513, 0.0607



6.9361, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 16.2018, 0.3990, 0.4781 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 16.2018, 0.3990, 0.4781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

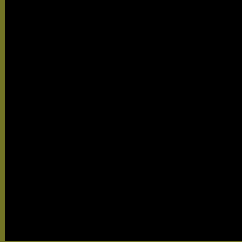
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2018, 0.3990, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 16.2018, 0.3990, 0.4781.



This preview shows how white text looks on a background with the Yxy color 16.2018, 0.3990, 0.4781.

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

16.2018, 0.3990, 0.4781

Protanopia

16.0757, 0.4205, 0.4639

Deuteranopia

16.0367, 0.4464, 0.4378



Tritanopia

16.0744, 0.3190, 0.3115

Trichromacy



Original Color

16.2018, 0.3990, 0.4781

Protanomaly

16.0026, 0.4134, 0.4689

Deuteranomaly

16.1236, 0.4292, 0.4523

Tritanomaly

15.9250, 0.3521, 0.3759

Monochromacy



Original Color

16.2018, 0.3990, 0.4781

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9972, 0.3487, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2018, 0.3990, 0.4781 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(114, 116, 37)` looks like.

```
.text, #text, p{  
    color:rgb(114, 116, 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(114, 116, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 37) }
```

Border

The CSS property to change the border of an element to Yxy 16.2018, 0.3990, 0.4781 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(114, 116, 37) }
```

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

```
.border{ border-color:rgb(114, 116, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 116, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 37);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2018, 0.3990, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 37) }
```

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

```
.background{ background-color: rgb(114,  
116, 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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