

Converting Colors

$Y_{xy}(16.3373, 0.3966, 0.4547)$

Have a look what the booklet for
Yxy(16.3373, 0.3966, 0.4547)
contains.

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Color

Yxy(16.4052, 0.3968, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	777331
RGB	119, 115, 49
RGB Percent	47%, 45%, 19%
CMY	0.5334, 0.5490, 0.8078
CMYK	0.00, 0.03, 0.59, 0.53
HSL	57°, 42%, 33%
HSV	57°, 59%, 47%
XYZ	14.2911, 16.4052, 5.3195
YIQ	108.6720, 23.5700, -19.6780

Conversions

Conversions Part 2

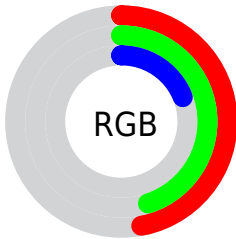
Format	Color
RYB	53, 119, 49
Decimal	7828273
CIELab	47.50, -7.84, 36.37
CIELCh	48, 37.207, 102.162
Yxy	16.4052, 0.3968, 0.4555
Android (android.graphics.Color)	4286018353 (0xFF777331)
YUV	108.6720, -29.4183, 9.0577
Hunter-Lab	40.5033, -7.8994, 20.5654

Details

The Yxy color **16.4052, 0.3968, 0.4555** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.5288, 0.2065, 0.1594**, and the grayscale version is **15.2749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4035, 0.3793, 0.4266**, and **5.2433, 0.4216, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **16.1649, 0.4080, 0.4712**, and if you desaturate by 10%, it is **16.6747, 0.3839, 0.4368**.

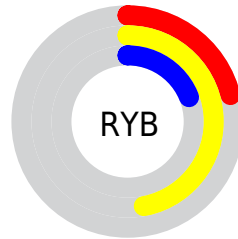
Distribution



Red (47%)

Green (45%)

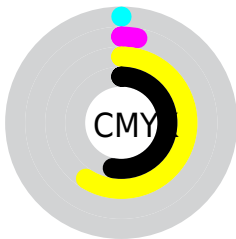
Blue (19%)



Red (21%)

Yellow (47%)

Blue (19%)

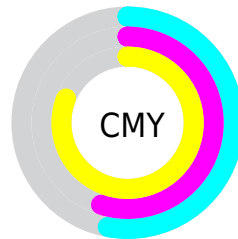


Cyan (0%)

Magenta (3%)

Yellow (59%)

Black (53%)



Cyan (53%)


Magenta (55%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4052, 0.3968, 0.4555 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 16.4052, 0.3968, 0.4555 by changing the saturation by 10% instead.


 16.4052, 0.3968,
0.4555


 16.4052, 0.3968,
0.4555


 231.7210, 0.3506,
0.3823


 9.8113, 0.4082,
0.4765


 37.3002, 0.3795,
0.4266


 5.2740, 0.4218,
0.5044

 52.3702, 0.3731,
0.4164


 2.4089, 0.4457,
0.5543

 71.0343, 0.3677,
0.4080

 0.8305, 0.4186,
0.5814

 93.6770, 0.3632,
0.4011

 0.0000, 0.0000,
0.0000

 120.6826, 0.3593,
0.3953

 152.4355, 0.3560,

0.3903

189.3202, 0.3531,
0.3860

■ 16.4052, 0.3968,
0.4555

■ 16.4052, 0.3968,
0.4555

■ 16.1649, 0.4080,
0.4712

■ 16.6747, 0.3839,
0.4368

■ 15.9494, 0.4171,
0.4834

■ 16.9730, 0.3697,
0.4159

■ 15.7569, 0.4237,
0.4915

■ 17.3026, 0.3549,
0.3937

■ 15.5800, 0.4286,
0.4968

■ 17.6650, 0.3399,
0.3709

■ 15.5592, 0.4292,
0.4974

■ 18.0619, 0.3252,
0.3484

■ 18.4946, 0.3111,
0.3264

■ 18.9643, 0.2977,
0.3056

■ 19.4724, 0.2852,
0.2860

■ 20.0200, 0.2737,
0.2678

Harmonies

Analogous

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



16.4052, 0.4455, 0.4147



16.4052, 0.3968, 0.4555



16.4052, 0.3288, 0.4610

Triad

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



16.4052, 0.3968, 0.4555



16.4052, 0.1864, 0.2697



16.4052, 0.3571, 0.2608

Complementary

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



16.4052, 0.3968, 0.4555



4.5288, 0.2065, 0.1594

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.



16.4052, 0.2825, 0.2288



16.4052, 0.3968, 0.4555



16.4052, 0.1918, 0.2293

Square

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



16.4052, 0.3968, 0.4555



16.4052, 0.2094, 0.3379



16.4052, 0.2245, 0.2170



16.4052, 0.4248, 0.3074

Rectangle

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



16.4052, 0.3968, 0.4555



16.4052, 0.2820, 0.4356



16.4052, 0.2245, 0.2170



16.4052, 0.3315, 0.2481

Sweetspot

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



16.4060, 0.3968, 0.4555



31.6680, 0.3394, 0.3701



6.3810, 0.4697, 0.3202



7.4662, 0.3430, 0.3757



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.



16.4060, 0.3968, 0.4555



28.7973, 0.4119, 0.4766



15.5180, 0.3504, 0.4840



4.2324, 0.3255, 0.3488



16.5316, 0.4292, 0.4974



80.1321, 0.4298, 0.4969

Inverse Universe

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



4.5288, 0.2065, 0.1594



5.3463, 0.1815, 0.1176



5.2050, 0.2483, 0.1683



3.6202, 0.2995, 0.3084



1.5659, 0.1516, 0.0657



7.2149, 0.1507, 0.0625

Previews

White Background



This preview shows how the Yxy color 16.4052, 0.3968, 0.4555 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 16.4052, 0.3968, 0.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

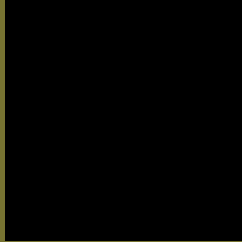
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4052, 0.3968, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 16.4052, 0.3968, 0.4555.



This preview shows how white text looks on a background with the Yxy color 16.4052, 0.3968, 0.4555.

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

16.4052, 0.3968, 0.4555

Protanopia

16.3836, 0.4086, 0.4494

Deuteranopia

16.2434, 0.4326, 0.4258



Tritanopia

16.3461, 0.3258, 0.3137

Trichromacy



Original Color

16.4052, 0.3968, 0.4555

Protanomaly

16.4590, 0.4046, 0.4525

Deuteranomaly

16.2877, 0.4201, 0.4368

Tritanomaly

16.3525, 0.3540, 0.3668

Monochromacy



Original Color

16.4052, 0.3968, 0.4555

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.5677, 0.3462, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4052, 0.3968, 0.4555 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(119, 115, 49)` looks like.

```
.text, #text, p{  
    color:rgb(119, 115, 49)  
}
```

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(119, 115, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 115, 49) }
```

Border

The CSS property to change the border of an element to Yxy 16.4052, 0.3968, 0.4555 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(119, 115, 49) }
```

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

```
.border{ border-color:rgb(119, 115, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 115, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 115, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 115, 49);  
box-shadow:4px 4px 4px 4px rgb(119, 115,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4052, 0.3968, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 115, 49) }
```

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

```
.background{ background-color: rgb(119,  
115, 49) }
```

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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