

Converting Colors

$Y_{xy}(16.6059, 0.3973, 0.4487)$

Have a look what the booklet for
Yxy(16.6059, 0.3973, 0.4487)
contains.

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Color

Yxy(16.5743, 0.3968, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	797334
RGB	121, 115, 52
RGB Percent	47%, 45%, 20%
CMY	0.5254, 0.5490, 0.7960
CMYK	0.00, 0.05, 0.57, 0.53
HSL	55°, 40%, 34%
HSV	55°, 57%, 47%
XYZ	14.6376, 16.5743, 5.6772
YIQ	109.6120, 23.7990, -18.3210

Conversions

Conversions Part 2

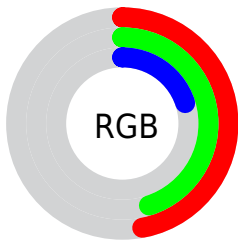
Format	Color
RYB	59, 121, 52
Decimal	7959348
CIELab	47.72, -6.64, 35.14
CIELCh	48, 35.765, 100.705
Yxy	16.5743, 0.3968, 0.4493
Android (android.graphics.Color)	4286149428 (0xFF797334)
YUV	109.6120, -28.4027, 9.9873
Hunter-Lab	40.7115, -7.0665, 20.2301

Details

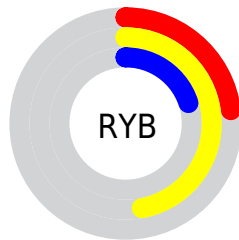
The Yxy color **16.5743, 0.3968, 0.4493** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.1401, 0.2109, 0.1698**, and the grayscale version is **15.5548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6910, 0.3789, 0.4219**, and **5.3230, 0.4233, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **16.2402, 0.4091, 0.4653**, and if you desaturate by 10%, it is **16.9406, 0.3829, 0.4305**.

Distribution



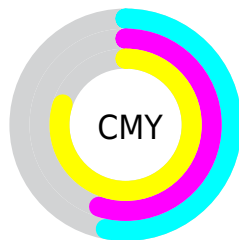
- Red (47%)
- Green (45%)
- Blue (20%)



- Red (23%)
- Yellow (47%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (57%)
- Black (53%)





- Cyan (53%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5743, 0.3968, 0.4493 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 16.5743, 0.3968, 0.4493 by changing the saturation by 10% instead.


 16.5743, 0.3968,
0.4493


 16.5743, 0.3968,
0.4493

232.7071, 0.3503,
0.3798


 9.9314, 0.4087,
0.4692


 37.5924, 0.3792,
0.4219


 5.3535, 0.4228,
0.4954

 52.7364, 0.3728,
0.4122


 2.4561, 0.4524,
0.5476


 71.4829, 0.3674,
0.4043

 0.8546, 0.4320,
0.5680

 94.2164, 0.3629,
0.3977

 0.0000, 0.0000,
0.0000

 121.3211, 0.3590,
0.3922

 153.1816, 0.3557,

0.3875

190.1821, 0.3528,
0.3834

■ 16.5743, 0.3968,
0.4493

■ 16.5743, 0.3968,
0.4493

■ 16.2402, 0.4091,
0.4653

■ 16.9406, 0.3829,
0.4305

■ 15.9340, 0.4195,
0.4778

■ 17.3389, 0.3680,
0.4098

■ 15.6537, 0.4274,
0.4864

■ 17.7716, 0.3528,
0.3879

■ 15.3939, 0.4332,
0.4915

■ 18.2404, 0.3375,
0.3658

■ 15.3177, 0.4349,
0.4929

■ 18.7469, 0.3227,
0.3439

■ 19.2925, 0.3086,
0.3228

■ 19.8786, 0.2954,
0.3028

■ 20.5064, 0.2831,
0.2841

■ 21.1772, 0.2719,
0.2667

Harmonies

Analogous

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



16.5743, 0.4419, 0.4098



16.5743, 0.3968, 0.4493



16.5743, 0.3320, 0.4559

Triad

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



16.5743, 0.3968, 0.4493



16.5743, 0.1914, 0.2750



16.5743, 0.3518, 0.2614

Complementary

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



16.5743, 0.3968, 0.4493



5.1401, 0.2109, 0.1698

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.



16.5743, 0.2807, 0.2313



16.5743, 0.3968, 0.4493



16.5743, 0.1953, 0.2344

Square

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



16.5743, 0.3968, 0.4493



16.5743, 0.2152, 0.3414



16.5743, 0.2257, 0.2210



16.5743, 0.4175, 0.3061

Rectangle

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



16.5743, 0.3968, 0.4493



16.5743, 0.2867, 0.4331



16.5743, 0.2257, 0.2210



16.5743, 0.3274, 0.2494

Sweetspot

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



16.5751, 0.3968, 0.4493



32.6190, 0.3381, 0.3667



6.8377, 0.4571, 0.3156



7.4281, 0.3404, 0.3701



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.



16.5751, 0.3968, 0.4493



28.9217, 0.4121, 0.4690



16.2757, 0.3529, 0.4780



4.5770, 0.3257, 0.3484



16.4022, 0.4349, 0.4929



77.6121, 0.4358, 0.4922

Inverse Universe

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



5.1401, 0.2109, 0.1698



6.3939, 0.1877, 0.1313



5.5262, 0.2469, 0.1715



3.9446, 0.2994, 0.3089



1.7164, 0.1524, 0.0685



7.6315, 0.1512, 0.0644

Previews

White Background



This preview shows how the Yxy color 16.5743, 0.3968, 0.4493 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 16.5743, 0.3968, 0.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

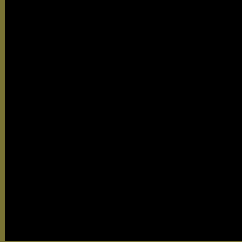
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5743, 0.3968, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 16.5743, 0.3968, 0.4493.



This preview shows how white text looks on a background with the Yxy color 16.5743, 0.3968, 0.4493.

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

16.5743, 0.3968, 0.4493

Protanopia

16.4938, 0.4061, 0.4427

Deuteranopia

16.5669, 0.4296, 0.4225



Tritanopia

16.5215, 0.3272, 0.3120

Trichromacy



Original Color

16.5743, 0.3968, 0.4493

Protanomaly

16.5676, 0.4021, 0.4457

Deuteranomaly

16.6125, 0.4173, 0.4333

Tritanomaly

16.5192, 0.3555, 0.3644

Monochromacy



Original Color

16.5743, 0.3968, 0.4493

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8870, 0.3447, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5743, 0.3968, 0.4493 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(121, 115, 52)` looks like.

```
.text, #text, p{  
    color:rgb(121, 115, 52)  
}
```

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(121, 115, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 115, 52) }
```

Border

The CSS property to change the border of an element to Yxy 16.5743, 0.3968, 0.4493 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(121, 115, 52) }
```

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

```
.border{ border-color:rgb(121, 115, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 115, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 115, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 115, 52);  
box-shadow:4px 4px 4px 4px rgb(121, 115,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5743, 0.3968, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 115, 52) }
```

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

```
.background{ background-color: rgb(121,  
115, 52) }
```

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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