

Converting Colors

$Y_{xy}(16.7663, 0.3909, 0.5156)$

Have a look what the booklet for
Yxy(16.7663, 0.3909, 0.5156)
contains.

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Color

$Y_{xy}(16.6552, 0.3909, 0.5151)$

Conversions

Conversions Part 1

Format	Color
Hex	687910
RGB	104, 121, 16
RGB Percent	41%, 47%, 6%
CMY	0.5922, 0.5255, 0.9372
CMYK	0.14, 0.00, 0.87, 0.53
HSL	70°, 77%, 27%
HSV	70°, 87%, 47%
XYZ	12.6393, 16.6552, 3.0394
YIQ	103.9470, 23.5730, -36.2590

Conversions

Conversions Part 2

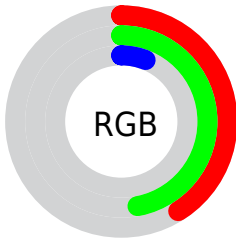
Format	Color
RYB	16, 121, 33
Decimal	6846736
CIELab	47.82, -19.89, 49.37
CIELCh	48, 53.224, 111.941
Yxy	16.6552, 0.3909, 0.5151
Android (android.graphics.Color)	4285036816 (0xFF687910)
YUV	103.9470, -43.3579, 0.0465
Hunter-Lab	40.8108, -16.1364, 24.1519

Details

The Yxy color **16.6552, 0.3909, 0.5151** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0756, 0.1733, 0.0843**, and the grayscale version is **13.9427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6112, 0.3800, 0.4736**, and **5.3916, 0.3779, 0.5382** is the 20% darker color. If you saturate the color by 10%, you get **16.5111, 0.3918, 0.5241**, and if you desaturate by 10%, it is **16.8216, 0.3879, 0.5025**.

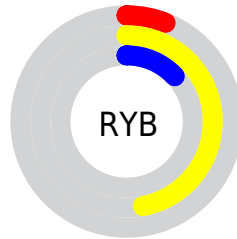
Distribution



Red (41%)

Green (47%)

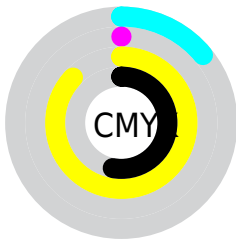
Blue (6%)



Red (6%)

Yellow (47%)

Blue (13%)

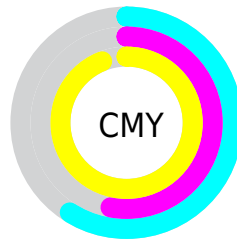


Cyan (14%)

Magenta (0%)

Yellow (87%)

Black (53%)



Cyan (59%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6552, 0.3909, 0.5151 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 16.6552, 0.3909, 0.5151 by changing the saturation by 10% instead.


 16.6552, 0.3909,
0.5151


 16.6552, 0.3909,
0.5151


 233.1775, 0.3534,
0.4074


 9.9890, 0.3952,
0.5441


 37.7320, 0.3796,
0.4733


 5.3916, 0.4050,
0.5950


 52.9113, 0.3744,
0.4582

 2.4788, 0.3797,
0.6203

 71.6972, 0.3698,
0.4459

 0.8660, 0.2805,
0.7195


 94.4739, 0.3656,
0.4355


 0.0000, 0.0000,
0.0000


 121.6259, 0.3620,
0.4268


 153.5375, 0.3588,


0.4194


 190.5933, 0.3560,
0.4130


 16.6552, 0.3909,
0.5151


 16.6552, 0.3909,
0.5151


 16.5111, 0.3918,
0.5241

 16.8216, 0.3879,
0.5025

 16.4655, 0.3920,
0.5269

 17.0133, 0.3826,
0.4859

 17.2337, 0.3752,
0.4658

 17.4848, 0.3660,
0.4432

 17.7687, 0.3554,
0.4190

■ 18.0872, 0.3441,
0.3940

■ 18.4419, 0.3323,
0.3690

■ 18.8343, 0.3205,
0.3448

■ 19.2659, 0.3090,
0.3217

Harmonies

Analogous

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



16.6552, 0.4716, 0.4579



16.6552, 0.3909, 0.5151



16.6552, 0.2961, 0.5114

Triad

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



16.6552, 0.3909, 0.5151



16.6552, 0.1438, 0.2214



16.6552, 0.4088, 0.2542

Complementary

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



16.6552, 0.3909, 0.5151



2.0756, 0.1733, 0.0843

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.



16.6552, 0.3007, 0.2068



16.6552, 0.3909, 0.5151



16.6552, 0.1622, 0.1853

Square

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



16.6552, 0.3909, 0.5151



16.6552, 0.1583, 0.3014



16.6552, 0.2138, 0.1824



16.6552, 0.4938, 0.3166

Rectangle

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



16.6552, 0.3909, 0.5151



16.6552, 0.2364, 0.4576



16.6552, 0.2138, 0.1824



16.6552, 0.3726, 0.2362

Sweetspot

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



16.6560, 0.3909, 0.5151



32.3935, 0.3439, 0.3937



5.1233, 0.5797, 0.3498



7.3697, 0.3471, 0.4005



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.



16.6560, 0.3909, 0.5151



29.4323, 0.3913, 0.5275



14.4638, 0.3265, 0.5630



4.6026, 0.3232, 0.3503



17.6399, 0.3919, 0.5270



83.8331, 0.3904, 0.5282

Inverse Universe

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



2.0756, 0.1733, 0.0843



2.6867, 0.1576, 0.0642



3.6486, 0.2491, 0.1242



3.9219, 0.3017, 0.3071



1.6307, 0.1590, 0.0649



7.5263, 0.1559, 0.0632

Previews

White Background



This preview shows how the Yxy color 16.6552, 0.3909, 0.5151 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 16.6552, 0.3909, 0.5151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

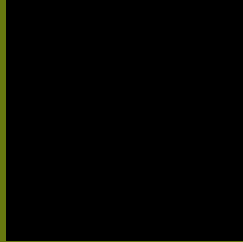
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6552, 0.3909, 0.5151

Background



This preview shows how black text looks on a background with the Yxy color 16.6552, 0.3909, 0.5151.



This preview shows how white text looks on a background with the Yxy color 16.6552, 0.3909, 0.5151.

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

16.6552, 0.3909, 0.5151

Protanopia

16.6555, 0.4348, 0.4829

Deuteranopia

16.6393, 0.4584, 0.4520



Tritanopia

16.7014, 0.3031, 0.3132

Trichromacy



Original Color

16.6552, 0.3909, 0.5151

Protanomaly

16.6790, 0.4175, 0.4954

Deuteranomaly

16.5353, 0.4341, 0.4752

Tritanomaly

16.4303, 0.3450, 0.3981

Monochromacy



Original Color

16.6552, 0.3909, 0.5151

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5628, 0.3528, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6552, 0.3909, 0.5151 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(104, 121, 16)` looks like.

```
.text, #text, p{  
    color:rgb(104, 121, 16)  
}
```

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(104, 121, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 121, 16) }
```

Border

The CSS property to change the border of an element to Yxy 16.6552, 0.3909, 0.5151 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(104, 121, 16) }
```

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

```
.border{ border-color:rgb(104, 121, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 121, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 121, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 121, 16);  
box-shadow:4px 4px 4px 4px rgb(104, 121,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6552, 0.3909, 0.5151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 121, 16) }
```

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

```
.background{ background-color: rgb(104,  
121, 16) }
```

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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