

Converting Colors

$Y_{xy}(17.0000, 0.3949, 0.5247)$

Have a look what the booklet for
Yxy(17.0000, 0.3949, 0.5247)
contains.

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Color

Yxy(16.9223, 0.3958, 0.5239)

Conversions

Conversions Part 1

Format	Color
Hex	697A00
RGB	105, 122, 0
RGB Percent	41%, 48%, 0%
CMY	0.5883, 0.5215, 0.9998
CMYK	0.14, 0.00, 1.00, 0.52
HSL	68°, 100%, 24%
HSV	68°, 100%, 48%
XYZ	12.7846, 16.9223, 2.5937
YIQ	103.0090, 29.0300, -41.5460

Conversions

Conversions Part 2

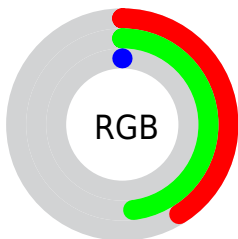
Format	Color
RYB	0, 122, 17
Decimal	6912512
CIELab	48.16, -20.38, 53.08
CIELCh	48, 56.854, 111.001
Yxy	16.9223, 0.3958, 0.5239
Android (android.graphics.Color)	4285102592 (0xFF697A00)
YUV	103.0090, -50.7834, 1.7461
Hunter-Lab	41.1367, -16.5145, 25.0574

Details

The Yxy color **16.9223, 0.3958, 0.5239** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5261, 0.1575, 0.0642**, and the grayscale version is **13.6988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1159, 0.3855, 0.4808**, and **5.5220, 0.3762, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **16.9225, 0.3958, 0.5239**, and if you desaturate by 10%, it is **17.0542, 0.3948, 0.5157**.

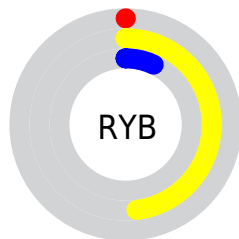
Distribution



Red (41%)

Green (48%)

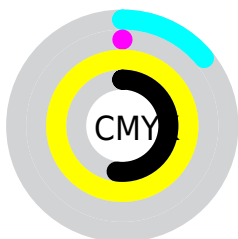
Blue (0%)



Red (0%)

Yellow (48%)

Blue (7%)

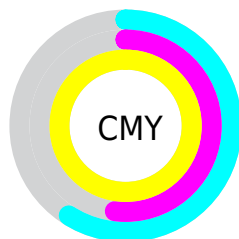


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (59%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9223, 0.3958, 0.5239 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 16.9223, 0.3958, 0.5239 by changing the saturation by 10% instead.


 16.9223, 0.3958,
0.5239


 16.9223, 0.3958,
0.5239


234.7242, 0.3572,
0.4126


 10.1791, 0.3993,
0.5525


 38.1921, 0.3848,
0.4815


 5.5179, 0.4036,
0.5964

 53.4876, 0.3794,
0.4659

 2.5542, 0.3781,
0.6219

 72.4025, 0.3746,
0.4530

 0.9037, 0.2857,
0.7143

 95.3214, 0.3702,
0.4422


 0.0000, 0.0000,
0.0000


 122.6287, 0.3664,
0.4331


 154.7086, 0.3629,

0.4252


 191.9457, 0.3599,
0.4185

 16.9223, 0.3958,
0.5239

 16.9223, 0.3958,
0.5239


 16.9225, 0.3958,
0.5239

 17.0542, 0.3948,
0.5157

 17.2011, 0.3922,
0.5049

 17.3729, 0.3873,
0.4900

 17.5724, 0.3801,
0.4714

 17.8018, 0.3710,
0.4499

■ 18.0633, 0.3604,
0.4264

■ 18.3588, 0.3489,
0.4018

■ 18.6899, 0.3368,
0.3769

■ 19.0582, 0.3246,
0.3524

Harmonies

Analogous

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



16.9223, 0.4805, 0.4597



16.9223, 0.3958, 0.5239



16.9223, 0.2966, 0.5260

Triad

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



16.9223, 0.3958, 0.5239



16.9223, 0.1360, 0.2169



16.9223, 0.4109, 0.2483

Complementary

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



16.9223, 0.3958, 0.5239



1.5261, 0.1575, 0.0642

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.



16.9223, 0.2962, 0.1997



16.9223, 0.3958, 0.5239



16.9223, 0.1541, 0.1788

Square

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



16.9223, 0.3958, 0.5239



16.9223, 0.1515, 0.3021



16.9223, 0.2062, 0.1753



16.9223, 0.5029, 0.3124

Rectangle

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



16.9223, 0.3958, 0.5239



16.9223, 0.2338, 0.4705



16.9223, 0.2062, 0.1753



16.9223, 0.3722, 0.2298

Sweetspot

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



16.9231, 0.3958, 0.5239



32.2539, 0.3498, 0.4037



4.5179, 0.6237, 0.3429



7.3337, 0.3537, 0.4120



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.



16.9231, 0.3958, 0.5239



29.7256, 0.3952, 0.5244



14.4730, 0.3229, 0.5818



4.6070, 0.3236, 0.3503



17.8125, 0.3957, 0.5240



84.6906, 0.3945, 0.5250

Inverse Universe

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



1.5261, 0.1575, 0.0642



2.6433, 0.1561, 0.0634



2.9962, 0.2336, 0.1061



3.9179, 0.3013, 0.3071



1.6026, 0.1573, 0.0640



7.4180, 0.1545, 0.0625

Previews

White Background



This preview shows how the Yxy color 16.9223, 0.3958, 0.5239 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 16.9223, 0.3958, 0.5239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

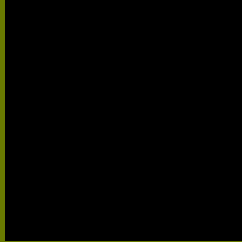
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9223, 0.3958, 0.5239

Background



This preview shows how black text looks on a background with the Yxy color 16.9223, 0.3958, 0.5239.



This preview shows how white text looks on a background with the Yxy color 16.9223, 0.3958, 0.5239.

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

16.9223, 0.3958, 0.5239

Protanopia

16.9286, 0.4391, 0.4896

Deuteranopia

16.7086, 0.4626, 0.4547



Tritanopia

16.7928, 0.3032, 0.3113

Trichromacy



Original Color

16.9223, 0.3958, 0.5239

Protanomaly

16.9499, 0.4221, 0.5030

Deuteranomaly

16.5851, 0.4395, 0.4800

Tritanomaly

16.4203, 0.3524, 0.4082

Monochromacy



Original Color

16.9223, 0.3958, 0.5239

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.4883, 0.3602, 0.4254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9223, 0.3958, 0.5239 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(105, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 122, 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(105, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9223, 0.3958, 0.5239 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(105, 122, 0) }
```

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

```
.border{ border-color:rgb(105, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9223, 0.3958, 0.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 122, 0) }
```

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

```
.background{ background-color: rgb(105,  
122, 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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