

Converting Colors

$Y_{xy}(15.7266, 0.3959, 0.5098)$

Have a look what the booklet for
Yxy(15.7266, 0.3959, 0.5098)
contains.

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Color

Yxy(15.7061, 0.3952, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	687511
RGB	104, 117, 17
RGB Percent	41%, 46%, 7%
CMY	0.5922, 0.5412, 0.9334
CMYK	0.11, 0.00, 0.85, 0.54
HSL	68°, 75%, 26%
HSV	68°, 85%, 46%
XYZ	12.1707, 15.7061, 2.9195
YIQ	101.7130, 24.3520, -33.8560

Conversions

Conversions Part 2

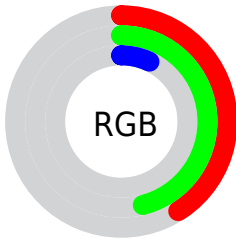
Format	Color
R_{YB}	17, 117, 30
Decimal	6845713
CIE _{Lab}	46.59, -17.75, 48.05
CIE _{LCh}	47, 51.222, 110.279
Yxy	15.7061, 0.3952, 0.5100
Android (android.graphics.Color)	4285035793 (0xFF687511)
YUV	101.7130, -41.7635, 2.0057
Hunter-Lab	39.6309, -14.5366, 23.3739

Details

The Yxy color **15.7061, 0.3952, 0.5100** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9607, 0.1723, 0.0856**, and the grayscale version is **13.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1000, 0.3826, 0.4694**, and **5.0405, 0.3853, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **15.5877, 0.3969, 0.5188**, and if you desaturate by 10%, it is **15.8455, 0.3913, 0.4974**.

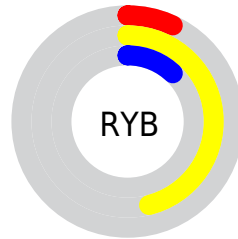
Distribution



Red (41%)

Green (46%)

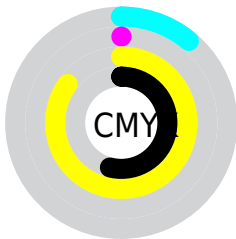
Blue (7%)



Red (7%)

Yellow (46%)

Blue (12%)

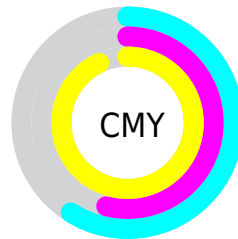


Cyan (11%)

Magenta (0%)

Yellow (85%)

Black (54%)



Cyan (59%)


Magenta (54%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7061, 0.3952, 0.5100 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 15.7061, 0.3952, 0.5100 by changing the saturation by 10% instead.


 15.7061, 0.3952,
0.5100


 15.7061, 0.3952,
0.5100


 227.6012, 0.3545,
0.4048


 9.3164, 0.4007,
0.5384


 36.0872, 0.3824,
0.4691


 4.9481, 0.4119,
0.5881

 50.8475, 0.3767,
0.4543


 2.2169, 0.3879,
0.6121

 69.1667, 0.3717,
0.4422

 0.7292, 0.2626,
0.7374

 91.4293, 0.3673,
0.4322


 0.0000, 0.0000,
0.0000


 118.0196, 0.3635,
0.4237

 149.3221, 0.3601,

0.4165


 185.7212, 0.3571,
0.4103

 15.7061, 0.3952,
0.5100


 15.7061, 0.3952,
0.5100


 15.5877, 0.3969,
0.5188

 15.8455, 0.3913,
0.4974

 15.5359, 0.3975,
0.5226

 16.0077, 0.3852,
0.4810

 16.1958, 0.3769,
0.4612

 16.4117, 0.3669,
0.4389

 16.6572, 0.3557,
0.4149

■ 16.9340, 0.3438,
0.3903

■ 17.2434, 0.3315,
0.3657

■ 17.5870, 0.3193,
0.3417

■ 17.9660, 0.3074,
0.3188

Harmonies

Analogous

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



15.7061, 0.4730, 0.4527



15.7061, 0.3952, 0.5100



15.7061, 0.3020, 0.5102

Triad

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



15.7061, 0.3952, 0.5100



15.7061, 0.1461, 0.2265



15.7061, 0.4013, 0.2524

Complementary

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



15.7061, 0.3952, 0.5100



1.9607, 0.1723, 0.0856

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.



15.7061, 0.2955, 0.2066



15.7061, 0.3952, 0.5100



15.7061, 0.1625, 0.1885

Square

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



15.7061, 0.3952, 0.5100



15.7061, 0.1625, 0.3080



15.7061, 0.2116, 0.1839



15.7061, 0.4873, 0.3136

Rectangle

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



15.7061, 0.3952, 0.5100



15.7061, 0.2425, 0.4605



15.7061, 0.2116, 0.1839



15.7061, 0.3657, 0.2349

Sweetspot

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



15.7068, 0.3952, 0.5100



30.2593, 0.3452, 0.3932



4.6844, 0.5798, 0.3451



6.9258, 0.3484, 0.3998



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.



15.7068, 0.3952, 0.5100



27.7769, 0.3969, 0.5230



13.5856, 0.3306, 0.5575



4.2433, 0.3236, 0.3501



17.1110, 0.3974, 0.5227



83.1208, 0.3962, 0.5236

Inverse Universe

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



1.9607, 0.1723, 0.0856



2.4476, 0.1557, 0.0631



3.3327, 0.2441, 0.1231



3.6106, 0.3013, 0.3072



1.5246, 0.1568, 0.0638



7.2111, 0.1541, 0.0622

Previews

White Background



This preview shows how the Yxy color 15.7061, 0.3952, 0.5100 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 15.7061, 0.3952, 0.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

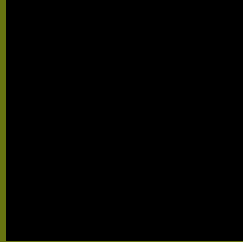
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7061, 0.3952, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 15.7061, 0.3952, 0.5100.



This preview shows how white text looks on a background with the Yxy color 15.7061, 0.3952, 0.5100.

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

15.7061, 0.3952, 0.5100

Protanopia

15.6885, 0.4332, 0.4826

Deuteranopia

15.6623, 0.4582, 0.4521



Tritanopia

15.7323, 0.3081, 0.3129

Trichromacy



Original Color

15.7061, 0.3952, 0.5100

Protanomaly

15.6296, 0.4197, 0.4920

Deuteranomaly

15.4308, 0.4356, 0.4728

Tritanomaly

15.4974, 0.3492, 0.3947

Monochromacy



Original Color

15.7061, 0.3952, 0.5100

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.8539, 0.3542, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7061, 0.3952, 0.5100 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, 117, 17)` looks like.

```
.text, #text, p{  
    color:rgb(104, 117, 17)  
}
```

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, 117, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 117, 17) }
```

Border

The CSS property to change the border of an element to Yxy 15.7061, 0.3952, 0.5100 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, 117, 17) }
```

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

```
.border{ border-color:rgb(104, 117, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 117, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 117, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 117, 17);  
box-shadow:4px 4px 4px 4px rgb(104, 117,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7061, 0.3952, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 117, 17) }
```

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

```
.background{ background-color: rgb(104,  
117, 17) }
```

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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