

Converting Colors

$Y_{xy}(15.6371, 0.3509, 0.3899)$

Have a look what the booklet for
Yxy(15.6371, 0.3509, 0.3899)
contains.

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Color

Yxy(15.7236, 0.3510, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	717053
RGB	113, 112, 83
RGB Percent	44%, 44%, 33%
CMY	0.5568, 0.5608, 0.6746
CMYK	0.00, 0.01, 0.27, 0.56
HSL	58°, 15%, 38%
HSV	58°, 27%, 44%
XYZ	14.1658, 15.7236, 10.4689
YIQ	108.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

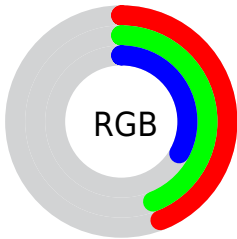
Format	Color
RYB	84, 113, 83
Decimal	7434323
CIELab	46.61, -4.77, 16.32
CIELCh	47, 17.007, 106.300
Yxy	15.7236, 0.3510, 0.3896
Android (android.graphics.Color)	4285624403 (0xFF717053)
YUV	108.9930, -12.8145, 3.5141
Hunter-Lab	39.6530, -5.6248, 12.1037

Details

The Yxy color **15.7236, 0.3510, 0.3896** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3701, 0.2698, 0.2602**, and the grayscale version is **15.3260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2437, 0.3415, 0.3747**, and **4.9305, 0.3682, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **15.4804, 0.3655, 0.4123**, and if you desaturate by 10%, it is **15.9970, 0.3363, 0.3665**.

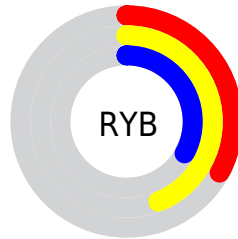
Distribution



Red (44%)

Green (44%)

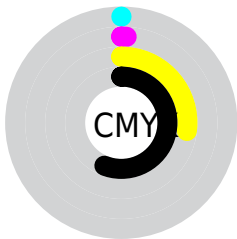
Blue (33%)



Red (33%)

Yellow (44%)

Blue (33%)

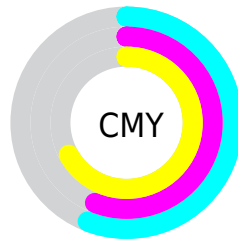


Cyan (0%)

Magenta (1%)

Yellow (27%)

Black (56%)



Cyan (56%)

Magenta (56%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7236, 0.3510, 0.3896 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 15.7236, 0.3510, 0.3896 by changing the saturation by 10% instead.


 15.7236, 0.3510,
0.3896


 15.7236, 0.3510,
0.3896


227.7052, 0.3288,
0.3536


 9.3288, 0.3578,
0.4013


 36.1177, 0.3420,
0.3747


 4.9562, 0.3674,
0.4183

 50.8858, 0.3390,
0.3697

 2.2216, 0.3818,
0.4456

 69.2137, 0.3365,
0.3657

 0.7317, 0.4417,
0.5583

 91.4859, 0.3344,
0.3624

 0.0000, 0.0000,
0.0000

 118.0867, 0.3327,
0.3596

149.4006, 0.3312,

0.3573

185.8120, 0.3299,
0.3553

■ 15.7236, 0.3510,
0.3896

■ 15.7236, 0.3510,
0.3896

■ 15.4804, 0.3655,
0.4123

■ 15.9970, 0.3363,
0.3665

■ 15.2640, 0.3794,
0.4338

■ 16.2997, 0.3219,
0.3436

■ 15.0735, 0.3921,
0.4534

■ 16.6338, 0.3080,
0.3215

■ 14.9073, 0.4032,
0.4701

■ 17.0003, 0.2949,
0.3005

■ 14.7636, 0.4122,
0.4833

■ 17.4003, 0.2826,
0.2808

■ 14.6403, 0.4188,
0.4927

■ 17.8349, 0.2713,
0.2626

■ 14.5326, 0.4235,
0.4988

■ 18.3050, 0.2609,
0.2458

■ 14.4963, 0.4250,
0.5007

■ 18.8116, 0.2515,
0.2305

■ 19.3555, 0.2429,
0.2165

Harmonies

Analogous

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



15.7236, 0.3742, 0.3766



15.7236, 0.3510, 0.3896



15.7236, 0.3182, 0.3851

Triad

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



15.7236, 0.3510, 0.3896



15.7236, 0.2493, 0.2997



15.7236, 0.3390, 0.2984

Complementary

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



15.7236, 0.3510, 0.3896



9.3701, 0.2698, 0.2602

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.



15.7236, 0.3042, 0.2800



15.7236, 0.3510, 0.3896



15.7236, 0.2539, 0.2795

Square

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



15.7236, 0.3510, 0.3896



15.7236, 0.2603, 0.3303



15.7236, 0.2735, 0.2730



15.7236, 0.3675, 0.3242

Rectangle

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



15.7236, 0.3510, 0.3896



15.7236, 0.2956, 0.3717



15.7236, 0.2735, 0.2730



15.7236, 0.3275, 0.2912

Sweetspot

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



15.7243, 0.3510, 0.3896



29.0906, 0.3243, 0.3474



10.3433, 0.3630, 0.3258



6.7117, 0.3260, 0.3502



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.7243, 0.3510, 0.3896



27.8730, 0.3602, 0.4040



15.1169, 0.3315, 0.3956



3.8980, 0.3254, 0.3491



16.4357, 0.4250, 0.5007



81.6111, 0.4254, 0.5004

Inverse Universe

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



9.3701, 0.2698, 0.2602



14.4106, 0.2580, 0.2411



9.8906, 0.2897, 0.2617



3.3167, 0.2996, 0.3080



1.4395, 0.1510, 0.0635



6.9168, 0.1504, 0.0614

Previews

White Background



This preview shows how the Yxy color 15.7236, 0.3510, 0.3896 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 15.7236, 0.3510, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

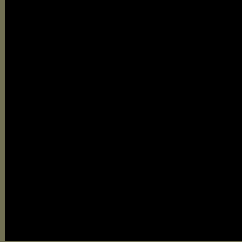
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

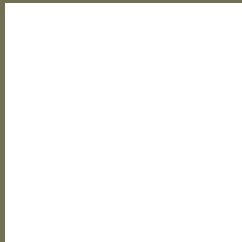
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.7236, 0.3510, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 15.7236, 0.3510, 0.3896.



This preview shows how white text looks on a background with the Yxy color 15.7236, 0.3510, 0.3896.

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

15.7236, 0.3510, 0.3896

Protanopia

15.6126, 0.3605, 0.3863

Deuteranopia

15.6940, 0.3779, 0.3716



Tritanopia

15.7680, 0.3148, 0.3132

Trichromacy



Original Color

15.7236, 0.3510, 0.3896

Protanomaly

15.6911, 0.3571, 0.3888

Deuteranomaly

15.6503, 0.3678, 0.3769

Tritanomaly

15.6498, 0.3288, 0.3392

Monochromacy



Original Color

15.7236, 0.3510, 0.3896

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.3870, 0.3254, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7236, 0.3510, 0.3896 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(113, 112, 83)` looks like.

```
.text, #text, p{  
    color:rgb(113, 112, 83)  
}
```

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(113, 112, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 112, 83) }
```

Border

The CSS property to change the border of an element to Yxy 15.7236, 0.3510, 0.3896 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(113, 112, 83) }
```

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

```
.border{ border-color:rgb(113, 112, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 112, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 112, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 112, 83);  
box-shadow:4px 4px 4px 4px rgb(113, 112,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7236, 0.3510, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 112, 83) }
```

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

```
.background{ background-color: rgb(113,  
112, 83) }
```

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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