

Converting Colors

$Y_{xy}(11.7207, 0.3862, 0.3727)$

Have a look what the booklet for
Yxy(11.7207, 0.3862, 0.3727)
contains.

Yxy(11.6501, 0.3859, 0.3722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.6501, 0.3859, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	745B47
RGB	116, 91, 71
RGB Percent	45%, 36%, 28%
CMY	0.5452, 0.6431, 0.7216
CMYK	0.00, 0.22, 0.39, 0.55
HSL	27°, 24%, 37%
HSV	27°, 39%, 45%
XYZ	12.0789, 11.6501, 7.5716
YIQ	96.1950, 21.3200, -0.9200

Conversions

Conversions Part 2

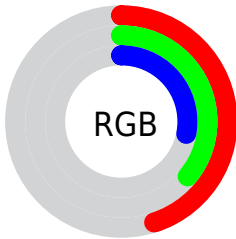
Format	Color
R_{YB}	116, 107, 71
Decimal	7625543
CIE _{Lab}	40.65, 7.18, 15.44
CIE _{LCh}	41, 17.024, 65.052
Yxy	11.6501, 0.3859, 0.3722
Android (android.graphics.Color)	4285815623 (0xFF745B47)
YUV	96.1950, -12.4211, 17.3690
Hunter-Lab	34.1322, 3.4372, 10.7401

Details

The Yxy color **11.6501, 0.3859, 0.3722** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.9588, 0.2546, 0.2810**, and the grayscale version is **11.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8408, 0.3664, 0.3609**, and **3.1142, 0.4252, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **10.4617, 0.4109, 0.3833**, and if you desaturate by 10%, it is **12.9625, 0.3635, 0.3607**.

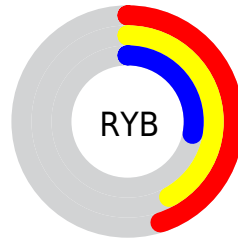
Distribution



Red (45%)

Green (36%)

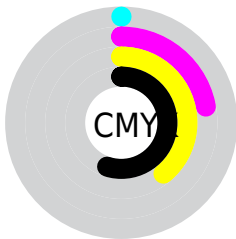
Blue (28%)



Red (45%)

Yellow (42%)

Blue (28%)

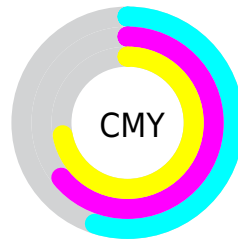


Cyan (0%)

Magenta (22%)

Yellow (39%)

Black (55%)



Cyan (55%)


Magenta (64%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6501, 0.3859, 0.3722 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 11.6501, 0.3859, 0.3722 by changing the saturation by 10% instead.


 11.6501, 0.3859,
0.3722


 11.6501, 0.3859,
0.3722


202.0749, 0.3409,
0.3467

 6.5059, 0.4014,
0.3801


 28.8562, 0.3668,
0.3618

 3.1551, 0.4249,
0.3912

 41.6869, 0.3605,
0.3582


 1.2132, 0.4937,
0.4331

 57.8486, 0.3555,
0.3554

 0.0725, 0.7712,
0.2288

 77.7255, 0.3515,
0.3530

 0.0000, 0.0000,
0.0000

 101.7023, 0.3482,
0.3510

130.1632, 0.3453,

0.3494

163.4926, 0.3429,
0.3479

■ 11.6501, 0.3859,
0.3722

■ 11.6501, 0.3859,
0.3722

■ 10.4617, 0.4109,
0.3833

■ 12.9625, 0.3635,
0.3607

■ 9.3916, 0.4380,
0.3931

■ 14.4010, 0.3436,
0.3492

■ 8.4362, 0.4665,
0.4007

■ 15.9697, 0.3262,
0.3382

■ 7.5909, 0.4950,
0.4050

■ 17.6721, 0.3110,
0.3278

■ 6.8507, 0.5218,
0.4050

■ 19.5114, 0.2978,
0.3181

■ 6.2055, 0.5471,
0.4016

■ 21.4909, 0.2863,
0.3091

■ 6.1330, 0.5503,
0.4013

■ 23.6135, 0.2764,
0.3008

■ 25.8823, 0.2677,
0.2932

■ 28.3001, 0.2601,
0.2862

Harmonies

Analogous

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



11.6501, 0.3850, 0.3429



11.6501, 0.3859, 0.3722



11.6501, 0.3663, 0.3925

Triad

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



11.6501, 0.3859, 0.3722



11.6501, 0.2636, 0.3442



11.6501, 0.2895, 0.2707

Complementary

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



11.6501, 0.3859, 0.3722



10.9588, 0.2546, 0.2810

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.



11.6501, 0.2597, 0.2682



11.6501, 0.3859, 0.3722



11.6501, 0.2455, 0.3080

Square

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



11.6501, 0.3859, 0.3722



11.6501, 0.2952, 0.3777



11.6501, 0.2441, 0.2809



11.6501, 0.3274, 0.2866

Rectangle

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



11.6501, 0.3859, 0.3722



11.6501, 0.3449, 0.3970



11.6501, 0.2441, 0.2809



11.6501, 0.2782, 0.2683

Sweetspot

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



11.6506, 0.3859, 0.3722



27.0855, 0.3320, 0.3420



9.0707, 0.3513, 0.2750



6.3981, 0.3337, 0.3431



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.



11.6506, 0.3859, 0.3722



18.5153, 0.4093, 0.3826



15.9732, 0.3698, 0.4148



3.9442, 0.3266, 0.3385



6.8485, 0.5512, 0.4006



31.7174, 0.5598, 0.3937

Inverse Universe

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



10.9588, 0.2546, 0.2810



17.1009, 0.2408, 0.2670



7.4961, 0.2467, 0.2256



3.8955, 0.2995, 0.3193



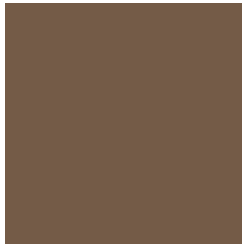
5.5416, 0.1839, 0.1819



25.2752, 0.1816, 0.1737

Previews

White Background



This preview shows how the Yxy color 11.6501, 0.3859, 0.3722 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 11.6501, 0.3859, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

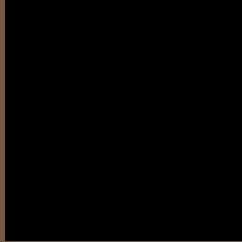
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6501, 0.3859, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 11.6501, 0.3859, 0.3722.



This preview shows how white text looks on a background with the Yxy color 11.6501, 0.3859, 0.3722.

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

11.6501, 0.3859, 0.3722

Protanopia

11.7303, 0.3576, 0.3821

Deuteranopia

11.6866, 0.3818, 0.3748



Tritanopia

11.6572, 0.3514, 0.3144

Trichromacy



Original Color

11.6501, 0.3859, 0.3722

Protanomaly

11.6614, 0.3687, 0.3786

Deuteranomaly

11.7541, 0.3835, 0.3745

Tritanomaly

11.5986, 0.3642, 0.3355

Monochromacy



Original Color

11.6501, 0.3859, 0.3722

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5771, 0.3373, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6501, 0.3859, 0.3722 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(116, 91, 71)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 71)  
}
```

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(116, 91, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 71) }
```

Border

The CSS property to change the border of an element to Yxy 11.6501, 0.3859, 0.3722 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(116, 91, 71) }
```

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

```
.border{ border-color:rgb(116, 91, 71) }
```

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

Here you see how a box with a 4 pixel rgb(116, 91, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 91, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 91, 71);  
box-shadow:4px 4px 4px 4px rgb(116, 91,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6501, 0.3859, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 71) }
```

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

```
.background{ background-color: rgb(116, 91,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor