

Converting Colors

$Y_{xy}(16.1225, 0.3675, 0.3552)$

Have a look what the booklet for
Yxy(16.1225, 0.3675, 0.3552)
contains.

Yxy(16.2112, 0.3676, 0.3558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2112, 0.3676, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	846B5D
RGB	132, 107, 93
RGB Percent	52%, 42%, 36%
CMY	0.4824, 0.5804, 0.6353
CMYK	0.00, 0.19, 0.30, 0.48
HSL	22°, 17%, 44%
HSV	22°, 30%, 52%
XYZ	16.7488, 16.2112, 12.6026
YIQ	112.8790, 19.3940, 0.9460

Conversions

Conversions Part 2

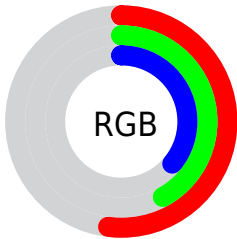
Format	Color
RYB	132, 115, 93
Decimal	8678237
CIELab	47.25, 7.69, 11.58
CIElCh	47, 13.903, 56.429
Yxy	16.2112, 0.3676, 0.3558
Android (android.graphics.Color)	4286868317 (0xFF846B5D)
YUV	112.8790, -9.8003, 16.7691
Hunter-Lab	40.2631, 3.7927, 9.6260

Details

The Yxy color **16.2112, 0.3676, 0.3558** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.9488, 0.2687, 0.3005**, and the grayscale version is **16.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8760, 0.3550, 0.3497**, and **5.2308, 0.3938, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **14.3192, 0.3922, 0.3653**, and if you desaturate by 10%, it is **18.3178, 0.3462, 0.3463**.

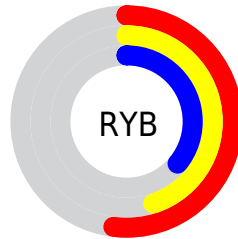
Distribution



Red (52%)

Green (42%)

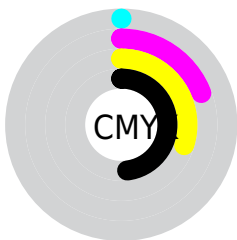
Blue (36%)



Red (52%)

Yellow (45%)

Blue (36%)

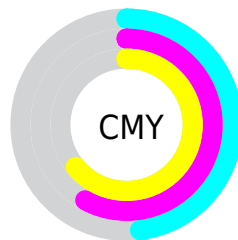


Cyan (0%)

Magenta (19%)

Yellow (30%)

Black (48%)



Cyan (48%)


Magenta (58%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2112, 0.3676, 0.3558 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 16.2112, 0.3676, 0.3558 by changing the saturation by 10% instead.


 16.2112, 0.3676,
0.3558


 16.2112, 0.3676,
0.3558


230.5848, 0.3352,
0.3406


 9.6737, 0.3780,
0.3603


 36.9645, 0.3543,
0.3498


 5.1832, 0.3932,
0.3664

 51.9491, 0.3498,
0.3477

 2.3551, 0.4172,
0.3752

 70.5181, 0.3462,
0.3460

 0.8027, 0.5243,
0.4405

 93.0561, 0.3432,
0.3445

 0.0000, 0.0000,
0.0000

119.9474, 0.3407,
0.3433

151.5763, 0.3386,

0.3423

188.3273, 0.3368,
0.3414

■ 16.2112, 0.3676,
0.3558

■ 16.2112, 0.3676,
0.3558

■ 14.3192, 0.3922,
0.3653

■ 18.3178, 0.3462,
0.3463

■ 12.6324, 0.4201,
0.3743

■ 20.6432, 0.3278,
0.3372

■ 11.1441, 0.4509,
0.3820

■ 23.1947, 0.3120,
0.3286

■ 9.8466, 0.4837,
0.3874

■ 25.9783, 0.2986,
0.3206

■ 8.7312, 0.5166,
0.3893

■ 28.9998, 0.2870,
0.3133

■ 7.7886, 0.5472,
0.3867

■ 32.2649, 0.2771,
0.3065

■ 7.0029, 0.5748,
0.3810

■ 35.7791, 0.2686,
0.3004

■ 6.9702, 0.5761,
0.3807

■ 39.5474, 0.2612,
0.2948

■ 43.5752, 0.2548,
0.2896

Harmonies

Analogous

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



16.2112, 0.3622, 0.3333



16.2112, 0.3676, 0.3558



16.2112, 0.3576, 0.3727

Triad

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



16.2112, 0.3676, 0.3558



16.2112, 0.2826, 0.3477



16.2112, 0.2886, 0.2839

Complementary

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



16.2112, 0.3676, 0.3558



16.9488, 0.2687, 0.3005

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.



16.2112, 0.2689, 0.2856



16.2112, 0.3676, 0.3558



16.2112, 0.2655, 0.3214

Square

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



16.2112, 0.3676, 0.3558



16.2112, 0.3080, 0.3692



16.2112, 0.2607, 0.2988



16.2112, 0.3156, 0.2930

Rectangle

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



16.2112, 0.3676, 0.3558



16.2112, 0.3439, 0.3779



16.2112, 0.2607, 0.2988



16.2112, 0.2810, 0.2832

Sweetspot

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



16.2119, 0.3676, 0.3558



36.5115, 0.3272, 0.3369



14.0507, 0.3354, 0.2819



8.3737, 0.3294, 0.3380



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.2119, 0.3676, 0.3558



26.4351, 0.3826, 0.3618



20.6551, 0.3581, 0.3899



4.9422, 0.3271, 0.3368



6.7587, 0.5759, 0.3809



0.0363, 0.5043, 0.4378

Inverse Universe

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



16.9488, 0.2687, 0.3005



27.9322, 0.2596, 0.2935



12.8888, 0.2644, 0.2596



5.0050, 0.2992, 0.3210



7.8536, 0.1919, 0.2107



0.0411, 0.2083, 0.2697

Previews

White Background



This preview shows how the Yxy color 16.2112, 0.3676, 0.3558 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 16.2112, 0.3676, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

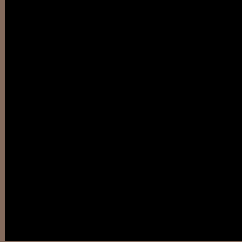
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2112, 0.3676, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 16.2112, 0.3676, 0.3558.



This preview shows how white text looks on a background with the Yxy color 16.2112, 0.3676, 0.3558.

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

16.2112, 0.3676, 0.3558

Protanopia

16.2661, 0.3426, 0.3634

Deuteranopia

16.2613, 0.3642, 0.3580



Tritanopia

16.1388, 0.3448, 0.3143

Trichromacy



Original Color

16.2112, 0.3676, 0.3558

Protanomaly

16.1710, 0.3518, 0.3608

Deuteranomaly

16.3407, 0.3656, 0.3578

Tritanomaly

16.1096, 0.3529, 0.3291

Monochromacy



Original Color

16.2112, 0.3676, 0.3558

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4026, 0.3313, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2112, 0.3676, 0.3558 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(132, 107, 93)` looks like.

```
.text, #text, p{  
    color:rgb(132, 107, 93)  
}
```

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(132, 107, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 107, 93) }
```

Border

The CSS property to change the border of an element to Yxy 16.2112, 0.3676, 0.3558 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(132, 107, 93) }
```

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

```
.border{ border-color:rgb(132, 107, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 107, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 107, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 107, 93);  
box-shadow:4px 4px 4px 4px rgb(132, 107,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2112, 0.3676, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 107, 93) }
```

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

```
.background{ background-color: rgb(132,  
107, 93) }
```

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