

Converting Colors

$Y_{xy}(15.3939, 0.4992, 0.3977)$

Have a look what the booklet for
Yxy(15.3939, 0.4992, 0.3977)
contains.

Yxy(15.3580, 0.5005, 0.3973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3580, 0.5005, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	A45A28
RGB	164, 90, 40
RGB Percent	64%, 35%, 16%
CMY	0.3569, 0.6470, 0.8432
CMYK	0.00, 0.45, 0.76, 0.36
HSL	24°, 61%, 40%
HSV	24°, 76%, 64%
XYZ	19.3473, 15.3580, 3.9506
YIQ	106.4260, 60.1540, 0.1380

Conversions

Conversions Part 2

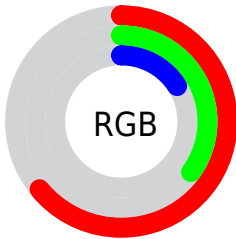
Format	Color
RYB	164, 124, 40
Decimal	10770984
CIELab	46.12, 26.36, 40.89
CIELCh	46, 48.654, 57.191
Yxy	15.3580, 0.5005, 0.3973
Android (android.graphics.Color)	4288961064 (0xFFA45A28)
YUV	106.4260, -32.7480, 50.4924
Hunter-Lab	39.1893, 19.5421, 21.4555

Details

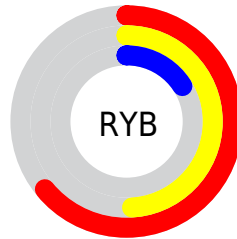
The Yxy color **15.3580, 0.5005, 0.3973** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.1570, 0.2056, 0.2294**, and the grayscale version is **14.6160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4423, 0.4583, 0.3893**, and **4.8536, 0.5608, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **13.7265, 0.5304, 0.3967**, and if you desaturate by 10%, it is **17.2557, 0.4689, 0.3934**.

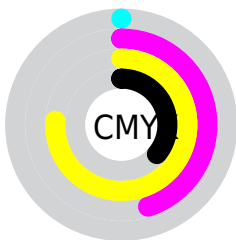
Distribution



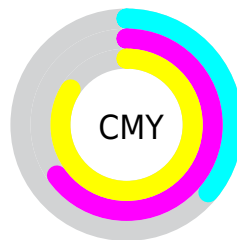
- Red (64%)
- Green (35%)
- Blue (16%)



- Red (64%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (76%)
- Black (36%)





- Cyan (36%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3580, 0.5005, 0.3973 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 15.3580, 0.5005, 0.3973 by changing the saturation by 10% instead.


 15.3580, 0.5005,
0.3973


 15.3580, 0.5005,
0.3973


225.5230, 0.3926,
0.3670


 9.0710, 0.5299,
0.3997


 35.4800, 0.4586,
0.3890


 4.7875, 0.5738,
0.4019

 50.0838, 0.4436,
0.3849

 2.1231, 0.6159,
0.3841

 68.2287, 0.4312,
0.3810

 0.6776, 0.6692,
0.3308

 90.2991, 0.4209,
0.3776

 0.0000, 1.0000,
0.0000

 116.6793, 0.4122,
0.3745

 0.0000, 0.0000,
0.0000

 147.7537, 0.4047,

0.3717

183.9068, 0.3983,
0.3693

■ 15.3580, 0.5005,
0.3973

■ 15.3580, 0.5005,
0.3973

■ 13.7265, 0.5304,
0.3967

■ 17.2557, 0.4689,
0.3934

■ 12.3434, 0.5564,
0.3910

■ 19.4306, 0.4379,
0.3861

■ 11.8063, 0.5672,
0.3879

■ 21.8955, 0.4088,
0.3767

■ 24.6619, 0.3825,
0.3662

■ 27.7403, 0.3592,
0.3554

■ 31.1409, 0.3390,
0.3447

■ 34.8731, 0.3215,
0.3345

■ 38.9462, 0.3064,
0.3249

■ 43.3688, 0.2935,
0.3160

Harmonies

Analogous

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



15.3580, 0.4914, 0.3299



15.3580, 0.5005, 0.3973



15.3580, 0.4532, 0.4643

Triad

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



15.3580, 0.5005, 0.3973



15.3580, 0.2053, 0.3939



15.3580, 0.2313, 0.1915

Complementary

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



15.3580, 0.5005, 0.3973



15.1570, 0.2056, 0.2294

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.



15.3580, 0.1756, 0.1897



15.3580, 0.5005, 0.3973



15.3580, 0.1611, 0.2876

Square

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



15.3580, 0.5005, 0.3973



15.3580, 0.2828, 0.4891



15.3580, 0.1524, 0.2189



15.3580, 0.3191, 0.2192

Rectangle

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



15.3580, 0.5005, 0.3973



15.3580, 0.4021, 0.4993



15.3580, 0.1524, 0.2189



15.3580, 0.2089, 0.1879

Sweetspot

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



15.3588, 0.5005, 0.3973



51.6586, 0.3545, 0.3530



10.6317, 0.4083, 0.2270



10.8492, 0.3620, 0.3567



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.3588, 0.5005, 0.3973



23.0936, 0.5493, 0.3931



30.3679, 0.4217, 0.4769



7.5332, 0.3275, 0.3381



9.1424, 0.5655, 0.3892



0.2835, 0.5029, 0.4389

Inverse Universe

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



15.1570, 0.2056, 0.2294



22.4921, 0.1914, 0.2033



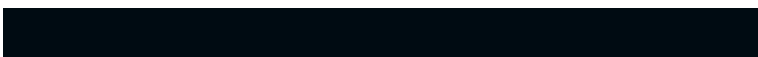
5.6213, 0.1758, 0.1120



7.5295, 0.2987, 0.3197



8.8250, 0.1872, 0.1938



0.2745, 0.2023, 0.2484

Previews

White Background



This preview shows how the Yxy color 15.3580, 0.5005, 0.3973 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 15.3580, 0.5005, 0.3973 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 15.3580, 0.5005, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 15.3580, 0.5005, 0.3973.



This preview shows how white text looks on a background with the Yxy color 15.3580, 0.5005, 0.3973.

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

15.3580, 0.5005, 0.3973

Protanopia

15.4867, 0.4096, 0.4500

Deuteranopia

15.3464, 0.4486, 0.4417



Tritanopia

15.4678, 0.4362, 0.3202

Trichromacy



Original Color

15.3580, 0.5005, 0.3973

Protanomaly

15.2007, 0.4423, 0.4304

Deuteranomaly

15.2603, 0.4688, 0.4251

Tritanomaly

15.3913, 0.4643, 0.3520

Monochromacy



Original Color

15.3580, 0.5005, 0.3973

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.2356, 0.3802, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3580, 0.5005, 0.3973 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(164, 90, 40)` looks like.

```
.text, #text, p{  
    color:rgb(164, 90, 40)  
}
```

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(164, 90, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 90, 40) }
```

Border

The CSS property to change the border of an element to Yxy 15.3580, 0.5005, 0.3973 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(164, 90, 40) }
```

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

```
.border{ border-color:rgb(164, 90, 40) }
```

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

Here you see how a box with a 4 pixel rgb(164, 90, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 90, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 90, 40);  
box-shadow:4px 4px 4px 4px rgb(164, 90,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3580, 0.5005, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 90, 40) }
```

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

```
.background{ background-color: rgb(164, 90,  
40) }
```

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