

Converting Colors

$Y_{xy}(17.1087, 0.3936, 0.5528)$

Have a look what the booklet for
Yxy(17.1087, 0.3936, 0.5528)
contains.

Yxy(17.3199, 0.3842, 0.5332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3199, 0.3842, 0.5332)

Conversions

Conversions Part 1

Format	Color
Hex	637D00
RGB	99, 125, 0
RGB Percent	39%, 49%, 0%
CMY	0.6117, 0.5098, 1.0000
CMYK	0.21, 0.00, 1.00, 0.51
HSL	72°, 100%, 25%
HSV	72°, 100%, 49%
XYZ	12.4799, 17.3199, 2.6831
YIQ	102.9760, 24.6290, -44.3870

Conversions

Conversions Part 2

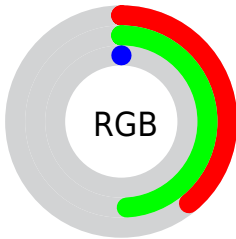
Format	Color
RYB	0, 125, 26
Decimal	6520064
CIELab	48.66, -24.58, 53.28
CIELCh	49, 58.679, 114.761
Yxy	17.3199, 0.3842, 0.5332
Android (android.graphics.Color)	4284710144 (0xFF637D00)
YUV	102.9760, -50.7672, -3.4870
Hunter-Lab	41.6172, -19.3024, 25.3096

Details

The Yxy color **17.3199, 0.3842, 0.5332** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.7001, 0.1629, 0.0671**, and the grayscale version is **13.6901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9833, 0.3759, 0.4888**, and **5.7732, 0.3596, 0.5527** is the 20% darker color. If you saturate the color by 10%, you get **17.3208, 0.3842, 0.5332**, and if you desaturate by 10%, it is **17.4974, 0.3844, 0.5239**.

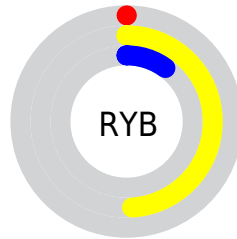
Distribution



Red (39%)

Green (49%)

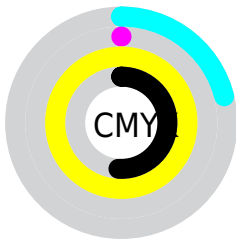
Blue (0%)



Red (0%)

Yellow (49%)

Blue (10%)

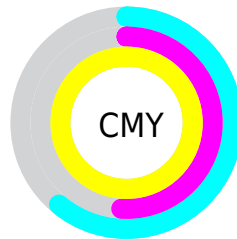


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (61%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3199, 0.3842, 0.5332 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 17.3199, 0.3842, 0.5332 by changing the saturation by 10% instead.

■ 17.3199, 0.3842,
0.5332

■ 17.3199, 0.3842,
0.5332

■ 237.0092, 0.3528,
0.4154

■ 10.4628, 0.3854,
0.5642

■ 38.8750, 0.3762,
0.4878

■ 5.7069, 0.3869,
0.6131

■ 54.3418, 0.3718,
0.4714

■ 2.6677, 0.3566,
0.6434

■ 73.4473, 0.3678,
0.4578

■ 0.9608, 0.2447,
0.7553

■ 96.5759, 0.3641,
0.4464


■ 0.0000, 0.0000,
0.0000


■ 124.1120, 0.3608,
0.4368

■ 156.4400, 0.3578,

0.4287

 193.9442, 0.3552,
0.4216


 17.3199, 0.3842,
0.5332


 17.3199, 0.3842,
0.5332

 17.3208, 0.3842,
0.5332

 17.4974, 0.3844,
0.5239

 17.6933, 0.3830,
0.5118

 17.9182, 0.3793,
0.4955

 18.1749, 0.3733,
0.4756

 18.4660, 0.3654,
0.4529

■ 18.7936, 0.3560,
0.4283

■ 19.1599, 0.3457,
0.4029

■ 19.5666, 0.3347,
0.3775

■ 20.0155, 0.3237,
0.3527

Harmonies

Analogous

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



17.3199, 0.4739, 0.4709



17.3199, 0.3842, 0.5332



17.3199, 0.2829, 0.5243

Triad

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



17.3199, 0.3842, 0.5332



17.3199, 0.1335, 0.2071



17.3199, 0.4274, 0.2541

Complementary

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



17.3199, 0.3842, 0.5332



1.7001, 0.1629, 0.0671

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.



17.3199, 0.3095, 0.2023



17.3199, 0.3842, 0.5332



17.3199, 0.1559, 0.1739

Square

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



17.3199, 0.3842, 0.5332



17.3199, 0.1444, 0.2872



17.3199, 0.2134, 0.1742



17.3199, 0.5145, 0.3203

Rectangle

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



17.3199, 0.3842, 0.5332



17.3199, 0.2209, 0.4592



17.3199, 0.2134, 0.1742



17.3199, 0.3884, 0.2347

Sweetspot

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



17.3208, 0.3842, 0.5332



34.2602, 0.3464, 0.4048



5.0553, 0.6127, 0.3517



7.7402, 0.3501, 0.4135



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.3208, 0.3842, 0.5332



30.9538, 0.3833, 0.5338



15.0701, 0.3162, 0.5872



4.9757, 0.3227, 0.3505



18.0745, 0.3841, 0.5332



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7001, 0.1629, 0.0671



2.9904, 0.1611, 0.0661



3.5311, 0.2486, 0.1143



4.2515, 0.3022, 0.3069



1.7717, 0.1627, 0.0670



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.3199, 0.3842, 0.5332 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 17.3199, 0.3842, 0.5332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

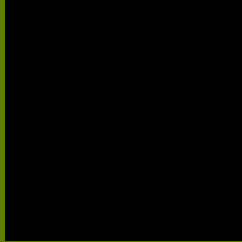
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3199, 0.3842, 0.5332

Background



This preview shows how black text looks on a background with the Yxy color 17.3199, 0.3842, 0.5332.



This preview shows how white text looks on a background with the Yxy color 17.3199, 0.3842, 0.5332.

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

17.3199, 0.3842, 0.5332

Protanopia

17.2366, 0.4390, 0.4897

Deuteranopia

17.1101, 0.4626, 0.4529



Tritanopia

17.2864, 0.2949, 0.3112

Trichromacy



Original Color

17.3199, 0.3842, 0.5332

Protanomaly

17.1156, 0.4193, 0.5053

Deuteranomaly

16.9631, 0.4344, 0.4825

Tritanomaly

16.8370, 0.3418, 0.4114

Monochromacy



Original Color

17.3199, 0.3842, 0.5332

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.5870, 0.3566, 0.4282

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3199, 0.3842, 0.5332 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(99, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 125, 0)  
}
```

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(99, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.3199, 0.3842, 0.5332 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(99, 125, 0) }
```

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

```
.border{ border-color:rgb(99, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 125, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3199, 0.3842, 0.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 125, 0) }
```

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

```
.background{ background-color: rgb(99, 125,  
0) }
```

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