

Converting Colors

$Y_{xy}(17.5815, 0.3833, 0.5339)$

Have a look what the booklet for
Yxy(17.5815, 0.3833, 0.5339)
contains.

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Color

Yxy(17.5744, 0.3831, 0.5340)

Conversions

Conversions Part 1

Format	Color
Hex	637E00
RGB	99, 126, 0
RGB Percent	39%, 49%, 0%
CMY	0.6117, 0.5059, 0.9999
CMYK	0.21, 0.00, 1.00, 0.51
HSL	73°, 100%, 25%
HSV	73°, 100%, 49%
XYZ	12.6082, 17.5744, 2.7283
YIQ	103.5630, 24.3540, -44.9100

Conversions

Conversions Part 2

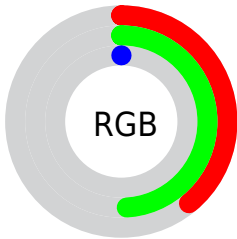
Format	Color
RYB	0, 126, 27
Decimal	6520320
CIELab	48.98, -25.07, 53.50
CIELCh	49, 59.084, 115.105
Yxy	17.5744, 0.3831, 0.5340
Android (android.graphics.Color)	4284710400 (0xFF637E00)
YUV	103.5630, -51.0566, -4.0018
Hunter-Lab	41.9218, -19.6786, 25.4866

Details

The Yxy color **17.5744, 0.3831, 0.5340** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.7401, 0.1634, 0.0674**, and the grayscale version is **13.8568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3942, 0.3747, 0.4887**, and **5.9121, 0.3583, 0.5537** is the 20% darker color. If you saturate the color by 10%, you get **17.5748, 0.3831, 0.5340**, and if you desaturate by 10%, it is **17.7578, 0.3834, 0.5246**.

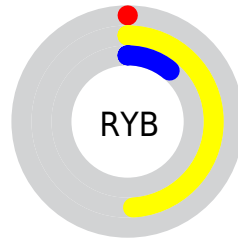
Distribution



Red (39%)

Green (49%)

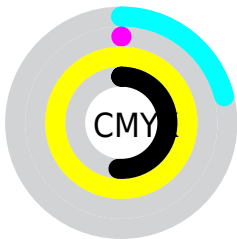
Blue (0%)



Red (0%)

Yellow (49%)

Blue (11%)

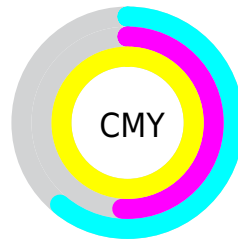


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (61%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5744, 0.3831, 0.5340 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 17.5744, 0.3831, 0.5340 by changing the saturation by 10% instead.

■ 17.5744, 0.3831,
0.5340

■ 17.5744, 0.3831,
0.5340

■ 238.4611, 0.3524,
0.4159

■ 10.6449, 0.3841,
0.5651

■ 39.3108, 0.3754,
0.4885

■ 5.8286, 0.3855,
0.6145

■ 54.8864, 0.3712,
0.4720

■ 2.7411, 0.3552,
0.6448

■ 74.1128, 0.3672,
0.4584

■ 0.9981, 0.2499,
0.7501

■ 97.3745, 0.3636,
0.4470

■ 0.0000, 0.0000,
0.0000

■ 125.0557, 0.3603,
0.4374


■ 157.5410, 0.3574,

0.4292


 195.2146, 0.3548,
0.4221


 17.5744, 0.3831,
0.5340


 17.5744, 0.3831,
0.5340


 17.5748, 0.3831,
0.5340

 17.7578, 0.3834,
0.5246

 17.9606, 0.3822,
0.5124

 18.1932, 0.3786,
0.4960

 18.4585, 0.3727,
0.4760

 18.7591, 0.3649,
0.4532

■ 19.0972, 0.3556,
0.4285

■ 19.4750, 0.3454,
0.4030

■ 19.8943, 0.3345,
0.3775

■ 20.3569, 0.3235,
0.3526

Harmonies

Analogous

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



17.5744, 0.4732, 0.4719



17.5744, 0.3831, 0.5340



17.5744, 0.2817, 0.5240

Triad

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



17.5744, 0.3831, 0.5340



17.5744, 0.1333, 0.2063



17.5744, 0.4290, 0.2546

Complementary

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



17.5744, 0.3831, 0.5340



1.7401, 0.1634, 0.0674

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.



17.5744, 0.3108, 0.2026



17.5744, 0.3831, 0.5340



17.5744, 0.1561, 0.1735

Square

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



17.5744, 0.3831, 0.5340



17.5744, 0.1438, 0.2858



17.5744, 0.2141, 0.1742



17.5744, 0.5155, 0.3210

Rectangle

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



17.5744, 0.3831, 0.5340



17.5744, 0.2197, 0.4581



17.5744, 0.2141, 0.1742



17.5744, 0.3899, 0.2351

Sweetspot

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



17.5752, 0.3831, 0.5340



34.2303, 0.3461, 0.4048



5.1405, 0.6127, 0.3517



7.7327, 0.3497, 0.4136



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.



17.5752, 0.3831, 0.5340



30.8738, 0.3823, 0.5347



15.3301, 0.3161, 0.5872



4.9744, 0.3226, 0.3505



18.0285, 0.3831, 0.5341



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7401, 0.1634, 0.0674



3.0080, 0.1617, 0.0665



3.5919, 0.2486, 0.1143



4.2527, 0.3023, 0.3070



1.7826, 0.1633, 0.0673



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5744, 0.3831, 0.5340 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 17.5744, 0.3831, 0.5340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

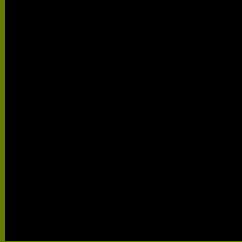
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5744, 0.3831, 0.5340

Background



This preview shows how black text looks on a background with the Yxy color 17.5744, 0.3831, 0.5340.



This preview shows how white text looks on a background with the Yxy color 17.5744, 0.3831, 0.5340.

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

17.5744, 0.3831, 0.5340

Protanopia

17.5479, 0.4388, 0.4898

Deuteranopia

17.3247, 0.4611, 0.4543



Tritanopia

17.5439, 0.2938, 0.3113

Trichromacy



Original Color

17.5744, 0.3831, 0.5340

Protanomaly

17.3549, 0.4179, 0.5064

Deuteranomaly

17.1924, 0.4329, 0.4838

Tritanomaly

17.0763, 0.3414, 0.4132

Monochromacy



Original Color

17.5744, 0.3831, 0.5340

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.8065, 0.3560, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5744, 0.3831, 0.5340 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 126, 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, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.5744, 0.3831, 0.5340 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, 126, 0) }
```

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

```
.border{ border-color:rgb(99, 126, 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, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 126, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5744, 0.3831, 0.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 126, 0) }
```

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

```
.background{ background-color: rgb(99, 126,  
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](#).

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