

Converting Colors

$Y_{xy}(17.5522, 0.3499, 0.4550)$

Have a look what the booklet for
Yxy(17.5522, 0.3499, 0.4550)
contains.

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Color

Yxy(17.5522, 0.3499, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	657C40
RGB	101, 124, 64
RGB Percent	40%, 49%, 25%
CMY	0.6040, 0.5137, 0.7490
CMYK	0.19, 0.00, 0.48, 0.51
HSL	83°, 32%, 37%
HSV	83°, 48%, 49%
XYZ	13.4978, 17.5522, 7.5262
YIQ	110.2830, 5.5520, -23.5360

Conversions

Conversions Part 2

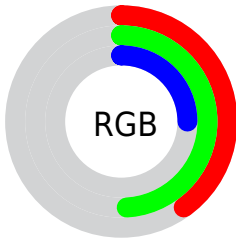
Format	Color
RYB	64, 124, 87
Decimal	6650944
CIELab	48.95, -19.09, 29.90
CIELCh	49, 35.473, 122.553
Yxy	17.5522, 0.3499, 0.4550
Android (android.graphics.Color)	4284841024 (0xFF657C40)
YUV	110.2830, -22.8175, -8.1412
Hunter-Lab	41.8953, -15.8078, 18.6757

Details

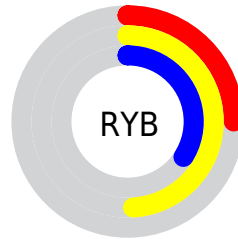
The Yxy color **17.5522, 0.3499, 0.4550** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1495, 0.2576, 0.1958**, and the grayscale version is **15.7433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4088, 0.3431, 0.4247**, and **5.8059, 0.3568, 0.5126** is the 20% darker color. If you saturate the color by 10%, you get **17.1604, 0.3551, 0.4811**, and if you desaturate by 10%, it is **17.9929, 0.3434, 0.4278**.

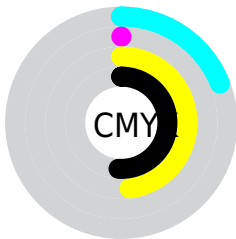
Distribution



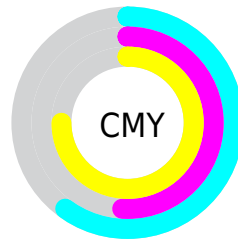
- Red (40%)
- Green (49%)
- Blue (25%)



- Red (25%)
- Yellow (49%)
- Blue (34%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (51%)





- Cyan (60%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5522, 0.3499, 0.4550 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 17.5522, 0.3499, 0.4550 by changing the saturation by 10% instead.


 17.5522, 0.3499,
0.4550


 17.5522, 0.3499,
0.4550


238.3348, 0.3308,
0.3797


 10.6290, 0.3538,
0.4790


 39.2728, 0.3432,
0.4240


 5.8179, 0.3573,
0.5132

 54.8389, 0.3406,
0.4135


 2.7347, 0.3715,
0.5869

 74.0549, 0.3383,
0.4051

 0.9948, 0.3234,
0.6766

 97.3049, 0.3364,
0.3982

 0.0000, 0.0000,
0.0000

 124.9736, 0.3347,
0.3924

 157.4452, 0.3332,

0.3875

195.1041, 0.3319,
0.3833

■ 17.5522, 0.3499,
0.4550

■ 17.5522, 0.3499,
0.4550

■ 17.1604, 0.3551,
0.4811

■ 17.9929, 0.3434,
0.4278

■ 16.8128, 0.3585,
0.5048

■ 18.4822, 0.3359,
0.4006

■ 16.5074, 0.3598,
0.5252

■ 19.0231, 0.3278,
0.3741

■ 16.2414, 0.3588,
0.5413

■ 19.6174, 0.3196,
0.3489

■ 16.0071, 0.3561,
0.5538

■ 20.2668, 0.3114,
0.3253

■ 15.9711, 0.3557,
0.5558

■ 20.9731, 0.3034,
0.3036

■ 21.7378, 0.2958,
0.2838

■ 22.5626, 0.2886,
0.2659

■ 23.4487, 0.2819,
0.2497

Harmonies

Analogous

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



17.5522, 0.4095, 0.4382



17.5522, 0.3499, 0.4550



17.5522, 0.2837, 0.4269

Triad

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



17.5522, 0.3499, 0.4550



17.5522, 0.1943, 0.2449



17.5522, 0.3994, 0.2939

Complementary

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



17.5522, 0.3499, 0.4550



7.1495, 0.2576, 0.1958

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.



17.5522, 0.3315, 0.2533



17.5522, 0.3499, 0.4550



17.5522, 0.2172, 0.2247

Square

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



17.5522, 0.3499, 0.4550



17.5522, 0.1979, 0.2921



17.5522, 0.2649, 0.2287



17.5522, 0.4428, 0.3436

Rectangle

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



17.5522, 0.3499, 0.4550



17.5522, 0.2448, 0.3853



17.5522, 0.2649, 0.2287



17.5522, 0.3782, 0.2790

Sweetspot

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



17.5530, 0.3499, 0.4550



33.7787, 0.3254, 0.3663



11.4725, 0.4144, 0.3759



7.9136, 0.3268, 0.3707



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.



17.5530, 0.3499, 0.4550



30.1302, 0.3555, 0.4835



16.1271, 0.3133, 0.4708



4.5607, 0.3202, 0.3505



16.2321, 0.3557, 0.5558



76.9280, 0.3525, 0.5583

Inverse Universe

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



7.1495, 0.2576, 0.1958



9.5291, 0.2414, 0.1636



8.9043, 0.3062, 0.2129



3.9616, 0.3048, 0.3073



2.1067, 0.1851, 0.0793



9.5921, 0.1801, 0.0766

Previews

White Background



This preview shows how the Yxy color 17.5522, 0.3499, 0.4550 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 17.5522, 0.3499, 0.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

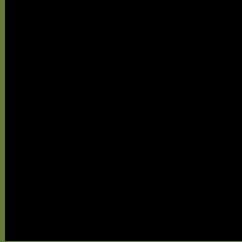
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5522, 0.3499, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 17.5522, 0.3499, 0.4550.



This preview shows how white text looks on a background with the Yxy color 17.5522, 0.3499, 0.4550.

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

17.5522, 0.3499, 0.4550

Protanopia

17.4169, 0.3964, 0.4317

Deuteranopia

17.4368, 0.4125, 0.4068



Tritanopia

17.4801, 0.2926, 0.3113

Trichromacy



Original Color

17.5522, 0.3499, 0.4550

Protanomaly

17.3930, 0.3786, 0.4408

Deuteranomaly

17.3197, 0.3879, 0.4243

Tritanomaly

17.4764, 0.3148, 0.3641

Monochromacy



Original Color

17.5522, 0.3499, 0.4550

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.1776, 0.3289, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5522, 0.3499, 0.4550 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(101, 124, 64)` looks like.

```
.text, #text, p{  
    color:rgb(101, 124, 64)  
}
```

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(101, 124, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 124, 64) }
```

Border

The CSS property to change the border of an element to Yxy 17.5522, 0.3499, 0.4550 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(101, 124, 64) }
```

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

```
.border{ border-color:rgb(101, 124, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 124, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 124, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 124, 64);  
box-shadow:4px 4px 4px 4px rgb(101, 124,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5522, 0.3499, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 124, 64) }
```

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

```
.background{ background-color: rgb(101,  
124, 64) }
```

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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