

Converting Colors

$Y_{xy}(17.5875, 0.3305, 0.4142)$

Have a look what the booklet for
Yxy(17.5875, 0.3305, 0.4142)
contains.

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Color

Yxy(17.5572, 0.3304, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	657B53
RGB	101, 123, 83
RGB Percent	40%, 48%, 33%
CMY	0.6040, 0.5176, 0.6745
CMYK	0.18, 0.00, 0.33, 0.52
HSL	93°, 19%, 40%
HSV	93°, 33%, 48%
XYZ	14.0084, 17.5572, 10.8328
YIQ	111.8620, -0.2720, -17.1040

Conversions

Conversions Part 2

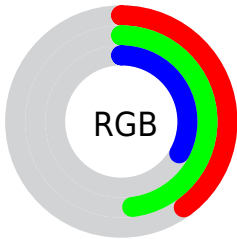
Format	Color
R_{YB}	83, 123, 105
Decimal	6650707
CIE _{Lab}	48.95, -15.87, 19.32
CIE _{LCh}	49, 24.997, 129.397
Yxy	17.5572, 0.3304, 0.4141
Android (android.graphics.Color)	4284840787 (0xFF657B53)
YUV	111.8620, -14.2290, -9.5260
Hunter-Lab	41.9013, -13.6512, 14.0026

Details

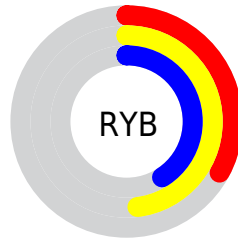
The Yxy color **17.5572, 0.3304, 0.4141** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6214, 0.2890, 0.2456**, and the grayscale version is **16.2019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4195, 0.3264, 0.3934**, and **5.7880, 0.3352, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **17.0095, 0.3348, 0.4433**, and if you desaturate by 10%, it is **18.1723, 0.3253, 0.3859**.

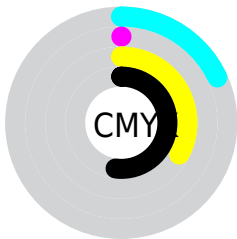
Distribution



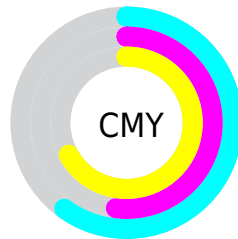
- Red (40%)
- Green (48%)
- Blue (33%)



- Red (33%)
- Yellow (48%)
- Blue (41%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5572, 0.3304, 0.4141 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 17.5572, 0.3304, 0.4141 by changing the saturation by 10% instead.

■ 17.5572, 0.3304,
0.4141

■ 17.5572, 0.3304,
0.4141

■ 238.3632, 0.3211,
0.3632

■ 10.6326, 0.3326,
0.4308

■ 39.2813, 0.3271,
0.3930

■ 5.8203, 0.3349,
0.4553

■ 54.8496, 0.3258,
0.3859

■ 2.7361, 0.3366,
0.4945

■ 74.0679, 0.3247,
0.3802

■ 0.9956, 0.3579,
0.6421

■ 97.3206, 0.3238,
0.3756

■ 0.0000, 0.0000,
0.0000

■ 124.9921, 0.3230,
0.3717

157.4667, 0.3223,

0.3684

195.1290, 0.3217,
0.3656

■ 17.5572, 0.3304,
0.4141

■ 17.5572, 0.3304,
0.4141

■ 17.0095, 0.3348,
0.4433

■ 18.1723, 0.3253,
0.3859

■ 16.5245, 0.3382,
0.4725

■ 18.8551, 0.3198,
0.3594

■ 16.1002, 0.3402,
0.5005


■ 19.6085, 0.3141,
0.3349


■ 15.7335, 0.3404,
0.5259


■ 20.4346, 0.3085,
0.3125


■ 15.4211, 0.3388,
0.5474

■ 21.3356, 0.3031,
0.2923


 15.1593, 0.3353,
0.5637

 22.3134, 0.2978,
0.2741

 14.9881, 0.3324,
0.5743

 23.3699, 0.2929,
0.2579

 24.5069, 0.2883,
0.2435

 25.7261, 0.2839,
0.2306

Harmonies

Analogous

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



17.5572, 0.3749, 0.4122



17.5572, 0.3304, 0.4141



17.5572, 0.2832, 0.3871

Triad

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



17.5572, 0.3304, 0.4141



17.5572, 0.2280, 0.2640



17.5572, 0.3828, 0.3126

Complementary

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



17.5572, 0.3304, 0.4141



10.6214, 0.2890, 0.2456

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.



17.5572, 0.3382, 0.2797



17.5572, 0.3304, 0.4141



17.5572, 0.2500, 0.2518

Square

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



17.5572, 0.3304, 0.4141



17.5572, 0.2264, 0.2952



17.5572, 0.2893, 0.2580



17.5572, 0.4075, 0.3509

Rectangle

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



17.5572, 0.3304, 0.4141



17.5572, 0.2565, 0.3573



17.5572, 0.2893, 0.2580



17.5572, 0.3695, 0.3008

Sweetspot

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



17.5580, 0.3304, 0.4141



34.0554, 0.3185, 0.3536



14.9400, 0.3695, 0.3734



7.9848, 0.3192, 0.3565



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.



17.5580, 0.3304, 0.4141



30.6957, 0.3338, 0.4357



16.6631, 0.3064, 0.4154



4.5299, 0.3178, 0.3507



15.4991, 0.3323, 0.5744



73.4414, 0.3287, 0.5772

Inverse Universe

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



10.6214, 0.2890, 0.2456



16.2419, 0.2820, 0.2249



11.7781, 0.3193, 0.2556



3.9922, 0.3072, 0.3075



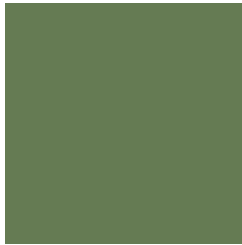
2.7380, 0.2157, 0.0962



12.5497, 0.2108, 0.0935

Previews

White Background



This preview shows how the Yxy color 17.5572, 0.3304, 0.4141 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 17.5572, 0.3304, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

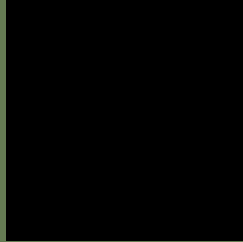
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5572, 0.3304, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 17.5572, 0.3304, 0.4141.



This preview shows how white text looks on a background with the Yxy color 17.5572, 0.3304, 0.4141.

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

17.5572, 0.3304, 0.4141

Protanopia

17.4299, 0.3697, 0.3990

Deuteranopia

17.3591, 0.3822, 0.3752



Tritanopia

17.6773, 0.2904, 0.3113

Trichromacy



Original Color

17.5572, 0.3304, 0.4141

Protanomaly

17.5007, 0.3543, 0.4057

Deuteranomaly

17.2024, 0.3626, 0.3879

Tritanomaly

17.5839, 0.3045, 0.3474

Monochromacy



Original Color

17.5572, 0.3304, 0.4141

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6185, 0.3203, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5572, 0.3304, 0.4141 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, 123, 83)` looks like.

```
.text, #text, p{  
    color:rgb(101, 123, 83)  
}
```

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, 123, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 123, 83) }
```

Border

The CSS property to change the border of an element to Yxy 17.5572, 0.3304, 0.4141 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, 123, 83) }
```

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

```
.border{ border-color:rgb(101, 123, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 123, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 123, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 123, 83);  
box-shadow:4px 4px 4px 4px rgb(101, 123,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5572, 0.3304, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 123, 83) }
```

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

```
.background{ background-color: rgb(101,  
123, 83) }
```

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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