

Converting Colors

$Y_{xy}(17.3135, 0.3879, 0.4361)$

Have a look what the booklet for
Yxy(17.3135, 0.3879, 0.4361)
contains.

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Color

Yxy(17.2705, 0.3884, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	7B753D
RGB	123, 117, 61
RGB Percent	48%, 46%, 24%
CMY	0.5176, 0.5412, 0.7608
CMYK	0.00, 0.05, 0.50, 0.52
HSL	54°, 34%, 36%
HSV	54°, 50%, 48%
XYZ	15.3744, 17.2705, 6.9391
YIQ	112.4100, 21.5520, -16.1440

Conversions

Conversions Part 2

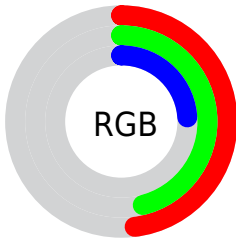
Format	Color
R _Y B	68, 123, 61
Decimal	8090941
CIE Lab	48.60, -6.01, 31.49
CIE LCh	49, 32.059, 100.810
Yxy	17.2705, 0.3884, 0.4363
Android (android.graphics.Color)	4286281021 (0xFF7B753D)
YUV	112.4100, -25.3451, 9.2874
Hunter-Lab	41.5578, -6.6895, 19.1906

Details

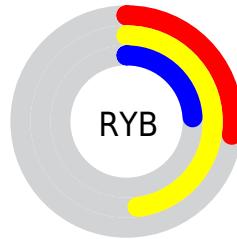
The Yxy color **17.2705, 0.3884, 0.4363** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.4412, 0.2239, 0.1920**, and the grayscale version is **16.4028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8488, 0.3723, 0.4116**, and **5.6685, 0.4126, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **16.8768, 0.4021, 0.4541**, and if you desaturate by 10%, it is **17.6998, 0.3736, 0.4163**.

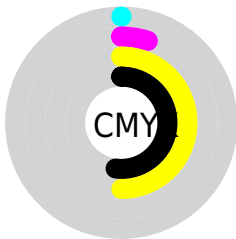
Distribution



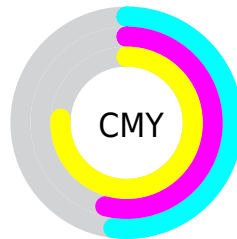
- Red (48%)
- Green (46%)
- Blue (24%)



- Red (27%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (5%)
- Yellow (50%)
- Black (52%)





- Cyan (52%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2705, 0.3884, 0.4363 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 17.2705, 0.3884, 0.4363 by changing the saturation by 10% instead.


 17.2705, 0.3884,
0.4363


 17.2705, 0.3884,
0.4363


 236.7264, 0.3462,
0.3743


 10.4275, 0.3997,
0.4545


 38.7903, 0.3722,
0.4117


 5.6833, 0.4138,
0.4789

 54.2359, 0.3664,
0.4030

 2.6535, 0.4528,
0.5390

 73.3178, 0.3615,
0.3960

 0.9536, 0.4429,
0.5571

 96.4205, 0.3575,
0.3902

 0.0000, 0.0000,
0.0000

 123.9283, 0.3540,
0.3853

 156.2256, 0.3510,

0.3811

193.6969, 0.3485,
0.3774

■ 17.2705, 0.3884,
0.4363

■ 17.2705, 0.3884,
0.4363

■ 16.8768, 0.4021,
0.4541

■ 17.6998, 0.3736,
0.4163

■ 16.5142, 0.4141,
0.4689

■ 18.1641, 0.3582,
0.3948

■ 16.1810, 0.4239,
0.4800

■ 18.6662, 0.3428,
0.3729

■ 15.8746, 0.4312,
0.4870

■ 19.2075, 0.3277,
0.3511

■ 15.5965, 0.4368,
0.4914

■ 19.7897, 0.3133,
0.3298

■ 20.4142, 0.2997,
0.3096

■ 21.0823, 0.2871,
0.2906

■ 21.7954, 0.2755,
0.2730

■ 22.5547, 0.2650,
0.2567

Harmonies

Analogous

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



17.2705, 0.4279, 0.4028



17.2705, 0.3884, 0.4363



17.2705, 0.3307, 0.4400

Triad

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



17.2705, 0.3884, 0.4363



17.2705, 0.2037, 0.2818



17.2705, 0.3479, 0.2686

Complementary

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



17.2705, 0.3884, 0.4363



6.4412, 0.2239, 0.1920

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.



17.2705, 0.2848, 0.2411



17.2705, 0.3884, 0.4363



17.2705, 0.2072, 0.2447

Square

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



17.2705, 0.3884, 0.4363



17.2705, 0.2257, 0.3404



17.2705, 0.2350, 0.2319



17.2705, 0.4055, 0.3093

Rectangle

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



17.2705, 0.3884, 0.4363



17.2705, 0.2902, 0.4196



17.2705, 0.2350, 0.2319



17.2705, 0.3264, 0.2576

Sweetspot

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



17.2713, 0.3884, 0.4363



33.8933, 0.3351, 0.3618



7.9587, 0.4322, 0.3168



7.9428, 0.3378, 0.3657



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.



17.2713, 0.3884, 0.4363



30.1390, 0.4034, 0.4559



17.1169, 0.3497, 0.4609



4.5706, 0.3257, 0.3482



16.1242, 0.4368, 0.4914



76.2242, 0.4378, 0.4906

Inverse Universe

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



6.4412, 0.2239, 0.1920



8.5072, 0.2026, 0.1573



6.7386, 0.2563, 0.1905



3.9505, 0.2994, 0.3091



1.7457, 0.1527, 0.0696



7.7320, 0.1514, 0.0651

Previews

White Background



This preview shows how the Yxy color 17.2705, 0.3884, 0.4363 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 17.2705, 0.3884, 0.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

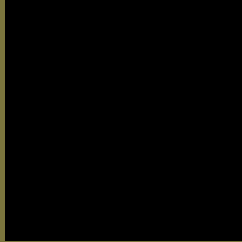
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2705, 0.3884, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 17.2705, 0.3884, 0.4363.



This preview shows how white text looks on a background with the Yxy color 17.2705, 0.3884, 0.4363.

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

17.2705, 0.3884, 0.4363

Protanopia

17.3397, 0.3949, 0.4323

Deuteranopia

17.1735, 0.4184, 0.4116



Tritanopia

17.1509, 0.3270, 0.3123

Trichromacy



Original Color

17.2705, 0.3884, 0.4363

Protanomaly

17.2633, 0.3935, 0.4329

Deuteranomaly

17.2264, 0.4066, 0.4218

Tritanomaly

17.2041, 0.3509, 0.3580

Monochromacy



Original Color

17.2705, 0.3884, 0.4363

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5379, 0.3416, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2705, 0.3884, 0.4363 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(123, 117, 61)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 61)  
}
```

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(123, 117, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 61) }
```

Border

The CSS property to change the border of an element to Yxy 17.2705, 0.3884, 0.4363 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(123, 117, 61) }
```

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

```
.border{ border-color:rgb(123, 117, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 61);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2705, 0.3884, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 61) }
```

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

```
.background{ background-color: rgb(123,  
117, 61) }
```

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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