

Converting Colors

$Y_{xy}(17.7427, 0.3367, 0.4317)$

Have a look what the booklet for
Yxy(17.7427, 0.3367, 0.4317)
contains.

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Color

Yxy(17.6464, 0.3364, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	647C4C
RGB	100, 124, 76
RGB Percent	39%, 49%, 30%
CMY	0.6077, 0.5137, 0.7020
CMYK	0.19, 0.00, 0.39, 0.51
HSL	90°, 24%, 39%
HSV	90°, 39%, 49%
XYZ	13.7700, 17.6464, 9.5170
YIQ	111.3520, 1.1040, -20.0160

Conversions

Conversions Part 2

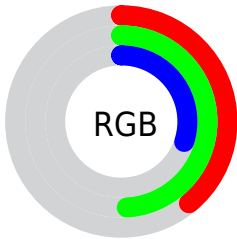
Format	Color
R_{YB}	76, 124, 100
Decimal	6585420
CIE _{Lab}	49.06, -17.85, 23.42
CIE _{LCh}	49, 29.445, 127.305
Yxy	17.6464, 0.3364, 0.4311
Android (android.graphics.Color)	4284775500 (0xFF647C4C)
YUV	111.3520, -17.4285, -9.9557
Hunter-Lab	42.0076, -15.0014, 15.9729

Details

The Yxy color **17.6464, 0.3364, 0.4311** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3308, 0.2794, 0.2272**, and the grayscale version is **16.0572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6003, 0.3327, 0.4069**, and **5.8611, 0.3412, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **17.1511, 0.3410, 0.4598**, and if you desaturate by 10%, it is **18.2033, 0.3308, 0.4027**.

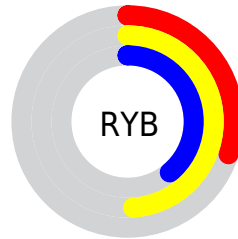
Distribution



Red (39%)

Green (49%)

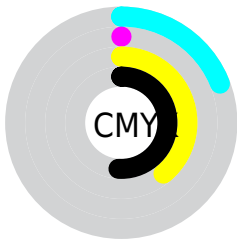
Blue (30%)



Red (30%)

Yellow (49%)

Blue (39%)

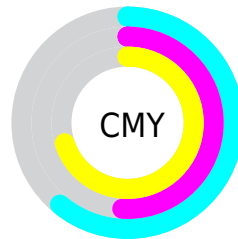


Cyan (19%)

Magenta (0%)

Yellow (39%)

Black (51%)



Cyan (61%)


Magenta (51%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6464, 0.3364, 0.4311 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 17.6464, 0.3364, 0.4311 by changing the saturation by 10% instead.


 17.6464, 0.3364,
0.4311


 17.6464, 0.3364,
0.4311


238.8704, 0.3242,
0.3699

 10.6964, 0.3391,
0.4510


 39.4339, 0.3321,
0.4058


 5.8631, 0.3417,
0.4801

 55.0402, 0.3304,
0.3973


 2.7620, 0.3448,
0.5288

 74.3007, 0.3289,
0.3904

 1.0088, 0.3393,
0.6607

 97.5998, 0.3277,
0.3848

 0.0000, 0.0000,
0.0000

 125.3219, 0.3266,
0.3802

157.8515, 0.3257,

0.3762

195.5728, 0.3249,
0.3728

■ 17.6464, 0.3364,
0.4311

■ 17.6464, 0.3364,
0.4311

■ 17.1511, 0.3410,
0.4598

■ 18.2033, 0.3308,
0.4027

■ 16.7127, 0.3443,
0.4877

■ 18.8218, 0.3247,
0.3754

■ 16.3291, 0.3459,
0.5134


■ 19.5050, 0.3183,
0.3498

■ 15.9973, 0.3456,
0.5357

■ 20.2548, 0.3119,
0.3261

■ 15.7140, 0.3432,
0.5534


■ 21.0734, 0.3056,
0.3044


 15.4708, 0.3395,
0.5673

 21.9625, 0.2995,
0.2849

 15.4412, 0.3390,
0.5690

 22.9239, 0.2937,
0.2673

 23.9595, 0.2883,
0.2515

 25.0708, 0.2832,
0.2374

Harmonies

Analogous

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



17.6464, 0.3879, 0.4249



17.6464, 0.3364, 0.4311



17.6464, 0.2811, 0.4015

Triad

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



17.6464, 0.3364, 0.4311



17.6464, 0.2138, 0.2547



17.6464, 0.3921, 0.3065

Complementary

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



17.6464, 0.3364, 0.4311



9.3308, 0.2794, 0.2272

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.



17.6464, 0.3382, 0.2696



17.6464, 0.3364, 0.4311



17.6464, 0.2372, 0.2399

Square

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



17.6464, 0.3364, 0.4311



17.6464, 0.2135, 0.2918



17.6464, 0.2812, 0.2459



17.6464, 0.4233, 0.3501

Rectangle

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



17.6464, 0.3364, 0.4311



17.6464, 0.2496, 0.3662



17.6464, 0.2812, 0.2459



17.6464, 0.3758, 0.2931

Sweetspot

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



17.6472, 0.3364, 0.4311



33.8834, 0.3206, 0.3587



13.7676, 0.3850, 0.3760



7.9511, 0.3213, 0.3613



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.



17.6472, 0.3364, 0.4311



30.3183, 0.3403, 0.4552



16.5055, 0.3084, 0.4404



4.5394, 0.3186, 0.3506



15.6970, 0.3389, 0.5691



74.3699, 0.3354, 0.5719

Inverse Universe

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



9.3308, 0.2794, 0.2272



13.5960, 0.2699, 0.2033



10.8491, 0.3157, 0.2376



3.9827, 0.3065, 0.3074



2.5161, 0.2054, 0.0905



11.4962, 0.2003, 0.0877

Previews

White Background



This preview shows how the Yxy color 17.6464, 0.3364, 0.4311 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 17.6464, 0.3364, 0.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

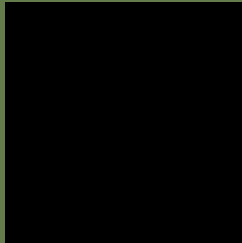
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6464, 0.3364, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 17.6464, 0.3364, 0.4311.



This preview shows how white text looks on a background with the Yxy color 17.6464, 0.3364, 0.4311.

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

17.6464, 0.3364, 0.4311

Protanopia

17.4838, 0.3811, 0.4113

Deuteranopia

17.4224, 0.3944, 0.3872



Tritanopia

17.6150, 0.2893, 0.3112

Trichromacy



Original Color

17.6464, 0.3364, 0.4311

Protanomaly

17.4700, 0.3639, 0.4190

Deuteranomaly

17.4008, 0.3722, 0.4028

Tritanomaly

17.4587, 0.3066, 0.3538

Monochromacy



Original Color

17.6464, 0.3364, 0.4311

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4984, 0.3226, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6464, 0.3364, 0.4311 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(100, 124, 76)` looks like.

```
.text, #text, p{  
    color:rgb(100, 124, 76)  
}
```

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(100, 124, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 124, 76) }
```

Border

The CSS property to change the border of an element to Yxy 17.6464, 0.3364, 0.4311 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(100, 124, 76) }
```

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

```
.border{ border-color:rgb(100, 124, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 124, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 124, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 124, 76);  
box-shadow:4px 4px 4px 4px rgb(100, 124,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6464, 0.3364, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 124, 76) }
```

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

```
.background{ background-color: rgb(100,  
124, 76) }
```

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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