

Converting Colors

$Y_{xy}(17.2891, 0.3232, 0.4765)$

Have a look what the booklet for
Yxy(17.2891, 0.3232, 0.4765)
contains.

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Color

Yxy(17.1888, 0.3234, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	4F7F3E
RGB	79, 127, 62
RGB Percent	31%, 50%, 24%
CMY	0.6900, 0.5020, 0.7569
CMYK	0.38, 0.00, 0.51, 0.50
HSL	104°, 34%, 37%
HSV	104°, 51%, 50%
XYZ	11.6856, 17.1888, 7.2593
YIQ	105.2380, -7.7430, -30.3910

Conversions

Conversions Part 2

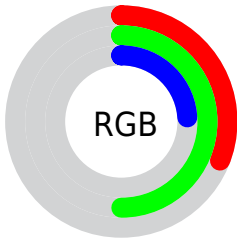
Format	Color
RYB	62, 127, 110
Decimal	5209918
CIELab	48.50, -29.38, 30.10
CIELCh	48, 42.066, 134.304
Yxy	17.1888, 0.3234, 0.4757
Android (android.graphics.Color)	4283399998 (0xFF4F7F3E)
YUV	105.2380, -21.3163, -23.0107
Hunter-Lab	41.4594, -22.2423, 18.6403

Details

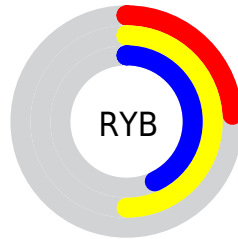
The Yxy color **17.1888, 0.3234, 0.4757** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.2901, 0.2899, 0.2007**, and the grayscale version is **14.2576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6155, 0.3239, 0.4380**, and **5.5891, 0.3165, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **16.6919, 0.3233, 0.5067**, and if you desaturate by 10%, it is **17.7765, 0.3225, 0.4439**.

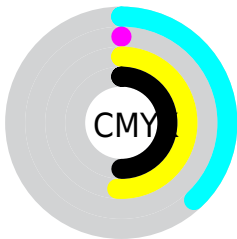
Distribution



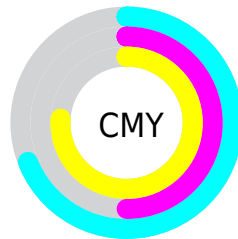
- Red (31%)
- Green (50%)
- Blue (24%)



- Red (24%)
- Yellow (50%)
- Blue (43%)



- Cyan (38%)
- Magenta (0%)
- Yellow (51%)
- Black (50%)




- Cyan (69%)
- Magenta (50%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1888, 0.3234, 0.4757 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 17.1888, 0.3234, 0.4757 by changing the saturation by 10% instead.


 17.1888, 0.3234,
0.4757


 17.1888, 0.3234,
0.4757


236.2580, 0.3205,
0.3861


 10.3692, 0.3218,
0.5055


 38.6501, 0.3236,
0.4382


 5.6444, 0.3169,
0.5490


 54.0606, 0.3232,
0.4257

 2.6301, 0.3192,
0.6500

 73.1035, 0.3227,
0.4157

 0.9418, 0.1581,
0.8419

 96.1632, 0.3223,
0.4076

 0.0000, 0.0000,
0.0000

 123.6241, 0.3218,
0.4009

 155.8706, 0.3213,

0.3952

193.2871, 0.3209,
0.3903

■ 17.1888, 0.3234,
0.4757

■ 17.1888, 0.3234,
0.4757

■ 16.6919, 0.3233,
0.5067

■ 17.7765, 0.3225,
0.4439

■ 16.2788, 0.3221,
0.5351

■ 18.4569, 0.3207,
0.4129

■ 15.9452, 0.3196,
0.5592

■ 19.2350, 0.3185,
0.3834

■ 15.6854, 0.3161,
0.5773

■ 20.1144, 0.3159,
0.3563

■ 15.5059, 0.3129,
0.5898

■ 21.0987, 0.3131,
0.3317

■ 22.1913, 0.3102,
0.3097

■ 23.3954, 0.3074,
0.2902

■ 24.7142, 0.3046,
0.2730

■ 26.1505, 0.3020,
0.2578

Harmonies

Analogous

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



17.1888, 0.3991, 0.4707



17.1888, 0.3234, 0.4757



17.1888, 0.2490, 0.4201

Triad

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



17.1888, 0.3234, 0.4757



17.1888, 0.1822, 0.2173



17.1888, 0.4417, 0.3083

Complementary

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



17.1888, 0.3234, 0.4757



8.2901, 0.2899, 0.2007

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.



17.1888, 0.3676, 0.2572



17.1888, 0.3234, 0.4757



17.1888, 0.2192, 0.2066

Square

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



17.1888, 0.3234, 0.4757



17.1888, 0.1740, 0.2581



17.1888, 0.2843, 0.2213



17.1888, 0.4744, 0.3666

Rectangle

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



17.1888, 0.3234, 0.4757



17.1888, 0.2104, 0.3615



17.1888, 0.2843, 0.2213



17.1888, 0.4203, 0.2901

Sweetspot

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



17.1895, 0.3234, 0.4757



35.3419, 0.3170, 0.3674



15.9392, 0.3997, 0.4202



8.2091, 0.3174, 0.3722



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.1895, 0.3234, 0.4757



29.7907, 0.3232, 0.5105



16.7402, 0.2922, 0.4480



4.8690, 0.3153, 0.3510



15.6385, 0.3128, 0.5898



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.2901, 0.2899, 0.2007



11.9940, 0.2828, 0.1747



9.1233, 0.3447, 0.2348



4.3575, 0.3099, 0.3075



3.9293, 0.2574, 0.1191



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1888, 0.3234, 0.4757 looks on a white background.

Color Contrast Check

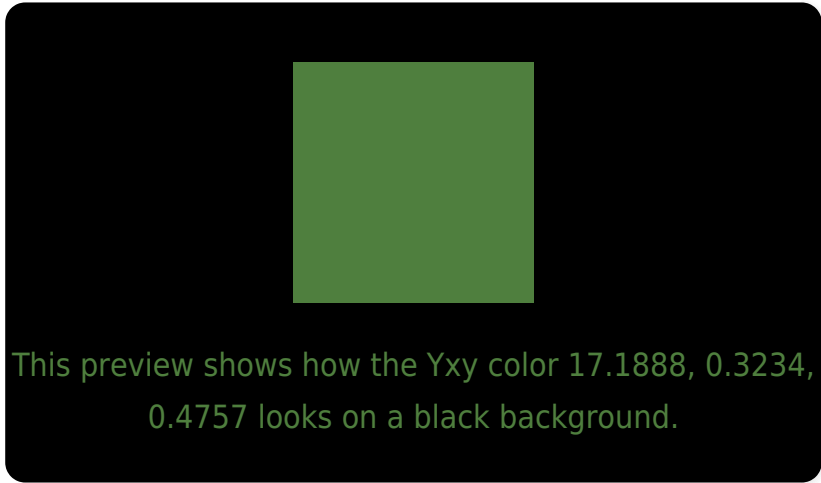
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

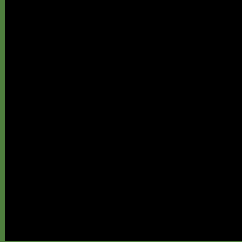
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1888, 0.3234, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 17.1888, 0.3234, 0.4757.



This preview shows how white text looks on a background with the Yxy color 17.1888, 0.3234, 0.4757.

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

17.1888, 0.3234, 0.4757

Protanopia

17.0790, 0.3991, 0.4357

Deuteranopia

16.9061, 0.4143, 0.4056



Tritanopia

17.2421, 0.2699, 0.3104

Trichromacy



Original Color

17.1888, 0.3234, 0.4757

Protanomaly

16.8244, 0.3704, 0.4511

Deuteranomaly

16.7240, 0.3776, 0.4305

Tritanomaly

17.2121, 0.2901, 0.3682

Monochromacy



Original Color

17.1888, 0.3234, 0.4757

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.0183, 0.3194, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1888, 0.3234, 0.4757 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(79, 127, 62)` looks like.

```
.text, #text, p{  
    color:rgb(79, 127, 62)  
}
```

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(79, 127, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 127, 62) }
```

Border

The CSS property to change the border of an element to Yxy 17.1888, 0.3234, 0.4757 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(79, 127, 62) }
```

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

```
.border{ border-color:rgb(79, 127, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 127, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 127, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 127, 62);  
box-shadow:4px 4px 4px 4px rgb(79, 127,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1888, 0.3234, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 127, 62) }
```

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

```
.background{ background-color: rgb(79, 127,  
62) }
```

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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