

Converting Colors

$Y_{xy}(17.6548, 0.3062, 0.4214)$

Have a look what the booklet for
Yxy(17.6548, 0.3062, 0.4214)
contains.

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Color

Yxy(17.6736, 0.3061, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	537F55
RGB	83, 127, 85
RGB Percent	33%, 50%, 33%
CMY	0.6746, 0.5019, 0.6666
CMYK	0.35, 0.00, 0.33, 0.50
HSL	123°, 21%, 41%
HSV	123°, 35%, 50%
XYZ	12.7954, 17.6736, 11.3323
YIQ	109.0560, -12.7420, -22.3900

Conversions

Conversions Part 2

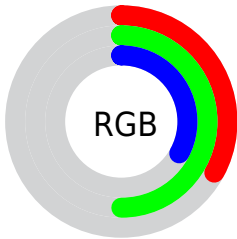
Format	Color
RYB	83, 125, 127
Decimal	5472085
CIELab	49.10, -24.34, 18.16
CIELCh	49, 30.366, 143.270
Yxy	17.6736, 0.3061, 0.4228
Android (android.graphics.Color)	4283662165 (0xFF537F55)
YUV	109.0560, -11.8596, -22.8511
Hunter-Lab	42.0400, -19.2413, 13.4457

Details

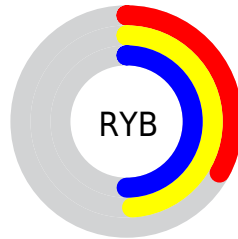
The Yxy color **17.6736, 0.3061, 0.4228** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1767, 0.3195, 0.2503**, and the grayscale version is **15.3461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4601, 0.3086, 0.3989**, and **5.8116, 0.3002, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **16.9723, 0.3041, 0.4554**, and if you desaturate by 10%, it is **18.5152, 0.3081, 0.3922**.

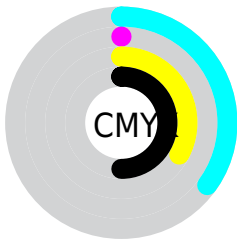
Distribution



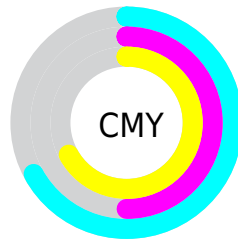
- Red (33%)
- Green (50%)
- Blue (33%)



- Red (33%)
- Yellow (49%)
- Blue (50%)



- Cyan (35%)
- Magenta (0%)
- Yellow (33%)
- Black (50%)




- Cyan (67%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6736, 0.3061, 0.4228 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 17.6736, 0.3061, 0.4228 by changing the saturation by 10% instead.


 17.6736, 0.3061,
0.4228


 17.6736, 0.3061,
0.4228


239.0248, 0.3113,
0.3660


 10.7159, 0.3036,
0.4418


 39.4804, 0.3087,
0.3990


 5.8761, 0.2992,
0.4703

 55.0982, 0.3094,
0.3911

 2.7699, 0.2902,
0.5168

 74.3716, 0.3099,
0.3848

 1.0128, 0.2639,
0.7361

 97.6848, 0.3103,
0.3797

 0.0000, 0.0000,
0.0000

 125.4224, 0.3106,
0.3754

157.9686, 0.3109,

0.3718

195.7080, 0.3111,
0.3687

■ 17.6736, 0.3061,
0.4228

■ 17.6736, 0.3061,
0.4228

■ 16.9723, 0.3041,
0.4554

■ 18.5152, 0.3081,
0.3922

■ 16.4017, 0.3023,
0.4887

■ 19.5017, 0.3101,
0.3644

■ 15.9542, 0.3008,
0.5209

■ 20.6405, 0.3119,
0.3395

■ 15.6208, 0.2997,
0.5497

■ 21.9375, 0.3136,
0.3177

■ 15.3912, 0.2992,
0.5729

■ 23.3984, 0.3152,
0.2987

■ 15.2512, 0.2991,
0.5891

■ 25.0287, 0.3166,
0.2823

■ 15.1929, 0.2987,
0.5955

■ 26.8337, 0.3179,
0.2681

■ 28.8182, 0.3190,
0.2558

■ 30.9871, 0.3200,
0.2453

Harmonies

Analogous

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



17.6736, 0.3632, 0.4356



17.6736, 0.3061, 0.4228



17.6736, 0.2536, 0.3753

Triad

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



17.6736, 0.3061, 0.4228



17.6736, 0.2211, 0.2417



17.6736, 0.4157, 0.3291

Complementary

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



17.6736, 0.3061, 0.4228



12.1767, 0.3195, 0.2503

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.



17.6736, 0.3703, 0.2868



17.6736, 0.3061, 0.4228



17.6736, 0.2568, 0.2383

Square

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



17.6736, 0.3061, 0.4228



17.6736, 0.2079, 0.2674



17.6736, 0.3106, 0.2546



17.6736, 0.4296, 0.3745

Rectangle

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



17.6736, 0.3061, 0.4228



17.6736, 0.2280, 0.3350



17.6736, 0.3106, 0.2546



17.6736, 0.4034, 0.3143

Sweetspot

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



17.6743, 0.3061, 0.4228



35.7876, 0.3109, 0.3530



20.2050, 0.3607, 0.4120



8.3233, 0.3107, 0.3560



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.



17.6743, 0.3061, 0.4228



30.5830, 0.3045, 0.4499



18.0686, 0.2849, 0.3735



4.8217, 0.3111, 0.3502



15.3211, 0.2988, 0.5955



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1767, 0.3195, 0.2503



19.0987, 0.3214, 0.2321



11.6863, 0.3538, 0.2887



4.4091, 0.3143, 0.3087



5.9468, 0.3324, 0.1605



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6736, 0.3061, 0.4228 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 17.6736, 0.3061, 0.4228 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 17.6736, 0.3061, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 17.6736, 0.3061, 0.4228.



This preview shows how white text looks on a background with the Yxy color 17.6736, 0.3061, 0.4228.

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

17.6736, 0.3061, 0.4228

Protanopia

17.5056, 0.3711, 0.3986

Deuteranopia

17.3918, 0.3795, 0.3716



Tritanopia

17.5887, 0.2693, 0.3086

Trichromacy



Original Color

17.6736, 0.3061, 0.4228

Protanomaly

17.3571, 0.3445, 0.4076

Deuteranomaly

17.1926, 0.3493, 0.3896

Tritanomaly

17.5047, 0.2831, 0.3481

Monochromacy



Original Color

17.6736, 0.3061, 0.4228

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.1202, 0.3111, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6736, 0.3061, 0.4228 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(83, 127, 85)` looks like.

```
.text, #text, p{  
  color:rgb(83, 127, 85)  
}
```

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(83, 127, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 127, 85) }
```

Border

The CSS property to change the border of an element to Yxy 17.6736, 0.3061, 0.4228 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(83, 127, 85) }
```

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

```
.border{ border-color:rgb(83, 127, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 127, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 127, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 127, 85);  
box-shadow:4px 4px 4px 4px rgb(83, 127,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6736, 0.3061, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 127, 85) }
```

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

```
.background{ background-color: rgb(83, 127,  
85) }
```

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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