

Converting Colors

$Y_{xy}(17.9983, 0.3212, 0.4969)$

Have a look what the booklet for
Yxy(17.9983, 0.3212, 0.4969)
contains.

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Color

Yxy(17.9346, 0.3207, 0.4967)

Conversions

Conversions Part 1

Format	Color
Hex	498338
RGB	73, 131, 56
RGB Percent	29%, 51%, 22%
CMY	0.7136, 0.4863, 0.7804
CMYK	0.44, 0.00, 0.57, 0.49
HSL	106°, 40%, 37%
HSV	106°, 57%, 51%
XYZ	11.5797, 17.9346, 6.5932
YIQ	105.1080, -10.4930, -35.6210

Conversions

Conversions Part 2

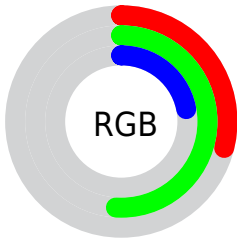
Format	Color
RYB	56, 131, 114
Decimal	4817720
CIELab	49.42, -34.10, 34.25
CIELCh	49, 48.330, 134.874
Yxy	17.9346, 0.3207, 0.4967
Android (android.graphics.Color)	4283007800 (0xFF498338)
YUV	105.1080, -24.2102, -28.1587
Hunter-Lab	42.3493, -25.3034, 20.4138

Details

The Yxy color **17.9346, 0.3207, 0.4967** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.0429, 0.2904, 0.1877**, and the grayscale version is **14.2289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1535, 0.3229, 0.4549**, and **6.0266, 0.3096, 0.5785** is the 20% darker color. If you saturate the color by 10%, you get **17.4595, 0.3197, 0.5268**, and if you desaturate by 10%, it is **18.5092, 0.3207, 0.4647**.

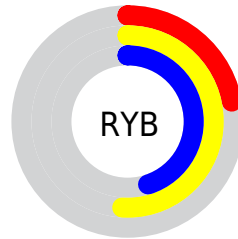
Distribution



Red (29%)

Green (51%)

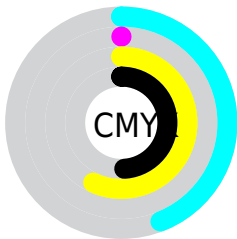
Blue (22%)



Red (22%)

Yellow (51%)

Blue (45%)

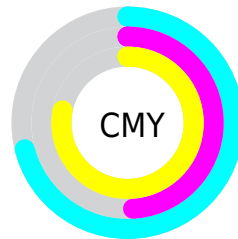


Cyan (44%)

Magenta (0%)

Yellow (57%)

Black (49%)



Cyan (71%)


Magenta (49%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9346, 0.3207, 0.4967 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 17.9346, 0.3207, 0.4967 by changing the saturation by 10% instead.

 17.9346, 0.3207,
0.4967


 17.9346, 0.3207,
0.4967


 240.5022, 0.3205,
0.3945


 10.9030, 0.3174,
0.5302


 39.9259, 0.3224,
0.4541


 6.0017, 0.3096,
0.5783

 55.6543, 0.3224,
0.4398

 2.8461, 0.3081,
0.6919

 75.0506, 0.3222,
0.4284

 1.0519, 0.1309,
0.8691

 98.4990, 0.3219,
0.4191

 0.0000, 0.0000,
0.0000

 126.3840, 0.3216,
0.4114

 159.0899, 0.3212,

0.4049

197.0012, 0.3209,
0.3993

■ 17.9346, 0.3207,
0.4967

■ 17.9346, 0.3207,
0.4967

■ 17.4595, 0.3197,
0.5268

■ 18.5092, 0.3207,
0.4647

■ 17.0758, 0.3176,
0.5531

■ 19.1863, 0.3199,
0.4326

■ 16.7778, 0.3145,
0.5737

■ 19.9716, 0.3185,
0.4016

■ 16.5556, 0.3109,
0.5883

■ 20.8697, 0.3166,
0.3728

■ 16.5042, 0.3101,
0.5920

■ 21.8847, 0.3144,
0.3464

■ 23.0209, 0.3121,
0.3228

■ 24.2821, 0.3097,
0.3017

■ 25.6719, 0.3074,
0.2832

■ 27.1940, 0.3051,
0.2669

Harmonies

Analogous

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



17.9346, 0.4052, 0.4879



17.9346, 0.3207, 0.4967



17.9346, 0.2386, 0.4319

Triad

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



17.9346, 0.3207, 0.4967



17.9346, 0.1689, 0.2039



17.9346, 0.4599, 0.3055

Complementary

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



17.9346, 0.3207, 0.4967



8.0429, 0.2904, 0.1877

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.



17.9346, 0.3761, 0.2499



17.9346, 0.3207, 0.4967



17.9346, 0.2096, 0.1938

Square

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



17.9346, 0.3207, 0.4967



17.9346, 0.1591, 0.2469



17.9346, 0.2818, 0.2105



17.9346, 0.4946, 0.3690

Rectangle

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



17.9346, 0.3207, 0.4967



17.9346, 0.1968, 0.3631



17.9346, 0.2818, 0.2105



17.9346, 0.4359, 0.2858

Sweetspot

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



17.9354, 0.3207, 0.4967



37.3496, 0.3166, 0.3732



17.0328, 0.4085, 0.4339



8.6302, 0.3169, 0.3778



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.9354, 0.3207, 0.4967



31.0196, 0.3191, 0.5361



17.5948, 0.2886, 0.4594



5.2520, 0.3148, 0.3512



16.2475, 0.3101, 0.5920



0.0591, 0.3372, 0.5705

Inverse Universe

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



8.0429, 0.2904, 0.1877



11.4142, 0.2829, 0.1605



8.8017, 0.3547, 0.2288



4.7110, 0.3104, 0.3074



4.3522, 0.2656, 0.1237



0.0183, 0.2935, 0.1390

Previews

White Background



This preview shows how the Yxy color 17.9346, 0.3207, 0.4967 looks on a white background.

Color Contrast Check

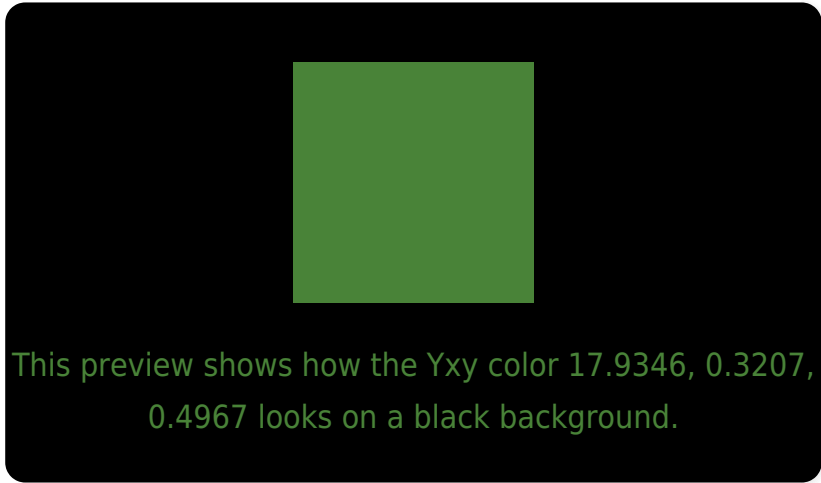
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 17.9346, 0.3207, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 17.9346, 0.3207, 0.4967.



This preview shows how white text looks on a background with the Yxy color 17.9346, 0.3207, 0.4967.

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

17.9346, 0.3207, 0.4967

Protanopia

17.7163, 0.4075, 0.4460

Deuteranopia

17.5454, 0.4225, 0.4152



Tritanopia

17.8856, 0.2630, 0.3085

Trichromacy



Original Color

17.9346, 0.3207, 0.4967

Protanomaly

17.4273, 0.3725, 0.4668

Deuteranomaly

17.1242, 0.3825, 0.4444

Tritanomaly

17.7355, 0.2852, 0.3749

Monochromacy



Original Color

17.9346, 0.3207, 0.4967

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.0499, 0.3176, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9346, 0.3207, 0.4967 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(73, 131, 56)` looks like.

```
.text, #text, p{  
    color:rgb(73, 131, 56)  
}
```

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(73, 131, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 131, 56) }
```

Border

The CSS property to change the border of an element to Yxy 17.9346, 0.3207, 0.4967 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(73, 131, 56) }
```

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

```
.border{ border-color:rgb(73, 131, 56) }
```

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

Here you see how a box with a 4 pixel rgb(73, 131, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 131, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 131, 56);  
box-shadow:4px 4px 4px 4px rgb(73, 131,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9346, 0.3207, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 131, 56) }
```

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

```
.background{ background-color: rgb(73, 131,  
56) }
```

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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