

Converting Colors

$Y_{xy}(17.4466, 0.4457, 0.4269)$

Have a look what the booklet for
Yxy(17.4466, 0.4457, 0.4269)
contains.

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Color

Yxy(17.4466, 0.4457, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	946D30
RGB	148, 109, 48
RGB Percent	58%, 43%, 19%
CMY	0.4196, 0.5725, 0.8117
CMYK	0.00, 0.26, 0.68, 0.42
HSL	37°, 51%, 38%
HSV	37°, 68%, 58%
XYZ	18.2149, 17.4466, 5.2066
YIQ	113.7070, 42.8250, -10.7030

Conversions

Conversions Part 2

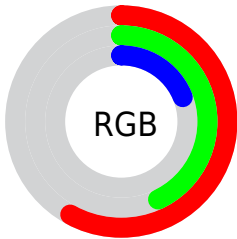
Format	Color
R_{YB}	112, 148, 48
Decimal	9727280
CIE _{Lab}	48.82, 8.88, 39.16
CIE _{LCh}	49, 40.157, 77.221
Yxy	17.4466, 0.4457, 0.4269
Android (android.graphics.Color)	4287917360 (0xFF946D30)
YUV	113.7070, -32.3936, 30.0750
Hunter-Lab	41.7691, 4.7453, 21.8478

Details

The Yxy color **17.4466, 0.4457, 0.4269** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.5866, 0.2040, 0.1960**, and the grayscale version is **16.8253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9838, 0.4173, 0.4077**, and **5.8249, 0.4893, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **16.1534, 0.4671, 0.4345**, and if you desaturate by 10%, it is **18.8632, 0.4233, 0.4157**.

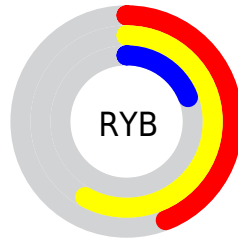
Distribution



Red (58%)

Green (43%)

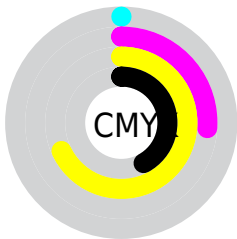
Blue (19%)



Red (44%)

Yellow (58%)

Blue (19%)

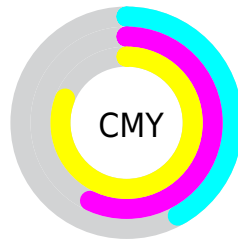


Cyan (0%)

Magenta (26%)

Yellow (68%)

Black (42%)



Cyan (42%)


Magenta (57%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4466, 0.4457, 0.4269 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 17.4466, 0.4457, 0.4269 by changing the saturation by 10% instead.


 17.4466, 0.4457,
0.4269


 17.4466, 0.4457,
0.4269


237.7330, 0.3710,
0.3752

 10.5534, 0.4656,
0.4385


 39.0921, 0.4171,
0.4084


 5.7674, 0.4910,
0.4514

 54.6131, 0.4067,
0.4012

 2.7042, 0.5304,
0.4696

 73.7789, 0.3981,
0.3951

 0.9793, 0.5470,
0.4530

 96.9739, 0.3909,
0.3899

 0.0000, 1.0000,
0.0000

 124.5824, 0.3848,
0.3855

 0.0000, 0.0000,
0.0000

 156.9888, 0.3796,

0.3816

194.5775, 0.3750,
0.3782

■ 17.4466, 0.4457,
0.4269

■ 17.4466, 0.4457,
0.4269

■ 16.1534, 0.4671,
0.4345

■ 18.8632, 0.4233,
0.4157

■ 14.9752, 0.4863,
0.4376

■ 20.4058, 0.4010,
0.4020

■ 13.9037, 0.5029,
0.4361

■ 22.0800, 0.3795,
0.3868

■ 13.6538, 0.5070,
0.4356

■ 23.8901, 0.3594,
0.3710

■ 25.8402, 0.3409,
0.3553

■ 27.9342, 0.3242,
0.3400

■ 30.1758, 0.3092,
0.3255

■ 32.5685, 0.2959,
0.3120

■ 35.1157, 0.2840,
0.2994

Harmonies

Analogous

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



17.4466, 0.4670, 0.3715



17.4466, 0.4457, 0.4269



17.4466, 0.3893, 0.4667

Triad

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



17.4466, 0.4457, 0.4269



17.4466, 0.1978, 0.3242



17.4466, 0.2931, 0.2283

Complementary

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



17.4466, 0.4457, 0.4269



9.5866, 0.2040, 0.1960

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.



17.4466, 0.2284, 0.2121



17.4466, 0.4457, 0.4269



17.4466, 0.1793, 0.2567

Square

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



17.4466, 0.4457, 0.4269



17.4466, 0.2463, 0.4076



17.4466, 0.1898, 0.2201



17.4466, 0.3729, 0.2647

Rectangle

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



17.4466, 0.4457, 0.4269



17.4466, 0.3413, 0.4718



17.4466, 0.1898, 0.2201



17.4466, 0.2690, 0.2204

Sweetspot

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



17.4475, 0.4457, 0.4269



44.5893, 0.3460, 0.3597



9.1166, 0.4376, 0.2654



9.9770, 0.3507, 0.3637



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



17.4475, 0.4457, 0.4269



27.4246, 0.4772, 0.4367



26.7956, 0.3912, 0.4851



6.3686, 0.3268, 0.3425



11.7170, 0.5063, 0.4362



0.2009, 0.4598, 0.4731

Inverse Universe

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



9.5866, 0.2040, 0.1960



12.6588, 0.1844, 0.1619



5.1544, 0.1946, 0.1231



5.9819, 0.2989, 0.3151



4.4376, 0.1688, 0.1276



0.1087, 0.1918, 0.2105

Previews

White Background



This preview shows how the Yxy color 17.4466, 0.4457, 0.4269 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 17.4466, 0.4457, 0.4269 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 17.4466, 0.4457, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 17.4466, 0.4457, 0.4269.



This preview shows how white text looks on a background with the Yxy color 17.4466, 0.4457, 0.4269.

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

17.4466, 0.4457, 0.4269

Protanopia

17.3882, 0.4091, 0.4482

Deuteranopia

17.6020, 0.4392, 0.4320



Tritanopia

17.3039, 0.3742, 0.3156

Trichromacy



Original Color

17.4466, 0.4457, 0.4269

Protanomaly

17.2662, 0.4233, 0.4400

Deuteranomaly

17.4763, 0.4418, 0.4298

Tritanomaly

17.3706, 0.4049, 0.3600

Monochromacy



Original Color

17.4466, 0.4457, 0.4269

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7621, 0.3605, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4466, 0.4457, 0.4269 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(148, 109, 48)` looks like.

```
.text, #text, p{  
    color:rgb(148, 109, 48)  
}
```

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(148, 109, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 109, 48) }
```

Border

The CSS property to change the border of an element to Yxy 17.4466, 0.4457, 0.4269 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(148, 109, 48) }
```

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

```
.border{ border-color:rgb(148, 109, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 109, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 109, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 109, 48);  
box-shadow:4px 4px 4px 4px rgb(148, 109,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4466, 0.4457, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 109, 48) }
```

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

```
.background{ background-color: rgb(148,  
109, 48) }
```

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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