

Converting Colors

$Y_{xy}(17.7320, 0.4483, 0.4387)$

Have a look what the booklet for
Yxy(17.7320, 0.4483, 0.4387)
contains.

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Color

Yxy(17.7320, 0.4483, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	936F29
RGB	147, 111, 41
RGB Percent	58%, 44%, 16%
CMY	0.4235, 0.5647, 0.8391
CMYK	0.00, 0.25, 0.72, 0.42
HSL	40°, 56%, 37%
HSV	40°, 72%, 58%
XYZ	18.1200, 17.7320, 4.5674
YIQ	113.7840, 43.9260, -14.1380

Conversions

Conversions Part 2

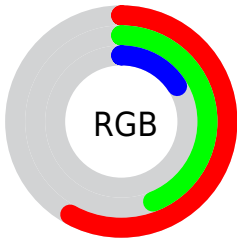
Format	Color
R_{YB}	96, 147, 41
Decimal	9662249
CIE _{Lab}	49.17, 6.87, 42.87
CIE _{LCh}	49, 43.416, 80.901
Yxy	17.7320, 0.4483, 0.4387
Android (android.graphics.Color)	4287852329 (0xFF936F29)
YUV	113.7840, -35.8825, 29.1304
Hunter-Lab	42.1094, 3.1187, 23.0457

Details

The Yxy color **17.7320, 0.4483, 0.4387** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.8933, 0.1947, 0.1739**, and the grayscale version is **16.8602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4162, 0.4208, 0.4181**, and **5.9939, 0.4822, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **16.5886, 0.4666, 0.4453**, and if you desaturate by 10%, it is **18.9765, 0.4283, 0.4281**.

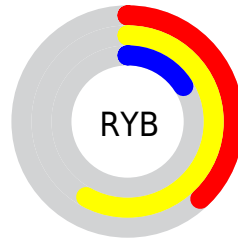
Distribution



Red (58%)

Green (44%)

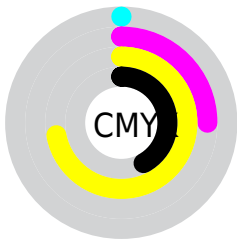
Blue (16%)



Red (38%)

Yellow (58%)

Blue (16%)

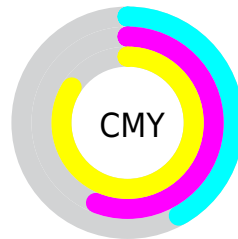


Cyan (0%)

Magenta (25%)

Yellow (72%)

Black (42%)



Cyan (42%)


Magenta (56%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7320, 0.4483, 0.4387 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 17.7320, 0.4483, 0.4387 by changing the saturation by 10% instead.


 17.7320, 0.4483,
0.4387


 17.7320, 0.4483,
0.4387


239.3561, 0.3734,
0.3810


 10.7577, 0.4672,
0.4513


 39.5801, 0.4202,
0.4182


 5.9042, 0.4922,
0.4667

 55.2228, 0.4098,
0.4102

 2.7869, 0.5205,
0.4795

 74.5237, 0.4011,
0.4034

 1.0215, 0.5333,
0.4667

 97.8673, 0.3938,
0.3976

 0.0000, 1.0000,
0.0000

 125.6379, 0.3875,
0.3925

 0.0000, 0.0000,
0.0000

 158.2200, 0.3821,

0.3882

195.9979, 0.3775,
0.3843

■ 17.7320, 0.4483,
0.4387

■ 17.7320, 0.4483,
0.4387

■ 16.5886, 0.4666,
0.4453

■ 18.9765, 0.4283,
0.4281

■ 15.5382, 0.4822,
0.4472

■ 20.3242, 0.4076,
0.4144

■ 14.7640, 0.4934,
0.4465

■ 21.7805, 0.3870,
0.3987

■ 23.3491, 0.3671,
0.3820

■ 25.0338, 0.3485,
0.3650

■ 26.8380, 0.3314,
0.3483

■ 28.7651, 0.3158,
0.3323

■ 30.8179, 0.3017,
0.3171

■ 32.9997, 0.2892,
0.3030

Harmonies

Analogous

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



17.7320, 0.4777, 0.3802



17.7320, 0.4483, 0.4387



17.7320, 0.3844, 0.4794

Triad

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



17.7320, 0.4483, 0.4387



17.7320, 0.1861, 0.3126



17.7320, 0.3014, 0.2257

Complementary

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



17.7320, 0.4483, 0.4387



7.8933, 0.1947, 0.1739

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.



17.7320, 0.2297, 0.2057



17.7320, 0.4483, 0.4387



17.7320, 0.1708, 0.2445

Square

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



17.7320, 0.4483, 0.4387



17.7320, 0.2332, 0.4033



17.7320, 0.1856, 0.2104



17.7320, 0.3875, 0.2662

Rectangle

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



17.7320, 0.4483, 0.4387



17.7320, 0.3324, 0.4816



17.7320, 0.1856, 0.2104



17.7320, 0.2749, 0.2166

Sweetspot

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



17.7329, 0.4483, 0.4387



44.7092, 0.3492, 0.3656



8.3440, 0.4637, 0.2723



10.0350, 0.3536, 0.3697



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.



17.7329, 0.4483, 0.4387



28.4236, 0.4774, 0.4471



25.8680, 0.3879, 0.4964



6.4160, 0.3267, 0.3436



12.8432, 0.4928, 0.4469



0.2120, 0.4531, 0.4784

Inverse Universe

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



7.8933, 0.1947, 0.1739



9.9235, 0.1744, 0.1352



4.5623, 0.1917, 0.1130



5.9360, 0.2989, 0.3140



3.8432, 0.1649, 0.1137



0.0976, 0.1878, 0.1960

Previews

White Background



This preview shows how the Yxy color 17.7320, 0.4483, 0.4387 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 17.7320, 0.4483, 0.4387 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 17.7320, 0.4483, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 17.7320, 0.4483, 0.4387.



This preview shows how white text looks on a background with the Yxy color 17.7320, 0.4483, 0.4387.

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

17.7320, 0.4483, 0.4387

Protanopia

17.7223, 0.4171, 0.4575

Deuteranopia

17.6400, 0.4469, 0.4395



Tritanopia

17.7459, 0.3704, 0.3156

Trichromacy



Original Color

17.7320, 0.4483, 0.4387

Protanomaly

17.7470, 0.4287, 0.4511

Deuteranomaly

17.6400, 0.4469, 0.4395

Tritanomaly

17.6713, 0.4034, 0.3653

Monochromacy



Original Color

17.7320, 0.4483, 0.4387

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9340, 0.3639, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7320, 0.4483, 0.4387 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(147, 111, 41)` looks like.

```
.text, #text, p{  
    color:rgb(147, 111, 41)  
}
```

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(147, 111, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 111, 41) }
```

Border

The CSS property to change the border of an element to Yxy 17.7320, 0.4483, 0.4387 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(147, 111, 41) }
```

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

```
.border{ border-color:rgb(147, 111, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 111, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 111, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 111, 41);  
box-shadow:4px 4px 4px 4px rgb(147, 111,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7320, 0.4483, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 111, 41) }
```

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

```
.background{ background-color: rgb(147,  
111, 41) }
```

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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