

Converting Colors

$Y_{xy}(17.4846, 0.4549, 0.4770)$

Have a look what the booklet for
Yxy(17.4846, 0.4549, 0.4770)
contains.

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Color

Yxy(17.5236, 0.4542, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	8B7200
RGB	139, 114, 0
RGB Percent	55%, 45%, 0%
CMY	0.4549, 0.5529, 1.0000
CMYK	0.00, 0.18, 1.00, 0.45
HSL	49°, 100%, 27%
HSV	49°, 100%, 55%
XYZ	16.6650, 17.5236, 2.5023
YIQ	108.4790, 51.4940, -30.1540

Conversions

Conversions Part 2

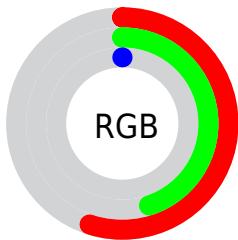
Format	Color
R_{YB}	30, 139, 0
Decimal	9138688
CIE Lab	48.91, 0.05, 55.06
CIE LCh	49, 55.057, 89.945
Yxy	17.5236, 0.4542, 0.4776
Android (android.graphics.Color)	4287328768 (0xFF8B7200)
YUV	108.4790, -53.4801, 26.7669
Hunter-Lab	41.8612, -2.1959, 25.7587

Details

The Yxy color **17.5236, 0.4542, 0.4776** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.5595, 0.1554, 0.0794**, and the grayscale version is **15.2815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0049, 0.4296, 0.4515**, and **5.8991, 0.4566, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **17.5246, 0.4542, 0.4776**, and if you desaturate by 10%, it is **18.1278, 0.4462, 0.4749**.

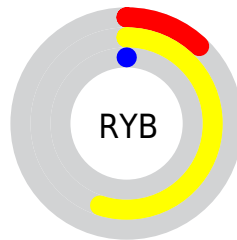
Distribution



Red (55%)

Green (45%)

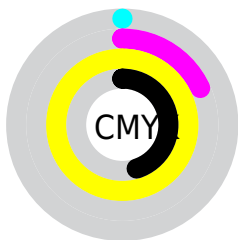
Blue (0%)



Red (12%)

Yellow (55%)

Blue (0%)

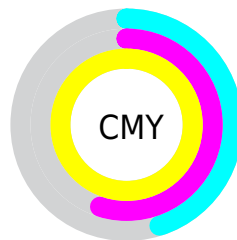


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5236, 0.4542, 0.4776 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 17.5236, 0.4542, 0.4776 by changing the saturation by 10% instead.

■ 17.5236, 0.4542,
0.4776

■ 17.5236, 0.4542,
0.4776

■ 238.1719, 0.3810,
0.4007

■ 10.6085, 0.4684,
0.4925

■ 39.2239, 0.4292,
0.4514

■ 5.8042, 0.4875,
0.5125

■ 54.7778, 0.4191,
0.4407

■ 2.7264, 0.4876,
0.5124

■ 73.9802, 0.4103,
0.4315

■ 0.9906, 0.4877,
0.5123


■ 97.2153, 0.4027,
0.4236


■ 0.0000, 0.0000,
0.0000


■ 124.8677, 0.3962,
0.4167

■ 157.3217, 0.3904,


0.4107


 194.9616, 0.3854,
0.4054


 17.5236, 0.4542,
0.4776


 17.5236, 0.4542,
0.4776


 17.5246, 0.4542,
0.4776

 18.1278, 0.4462,
0.4749

 18.7666, 0.4362,
0.4691

 19.4517, 0.4238,
0.4590

 20.1870, 0.4092,
0.4451

 20.9760, 0.3932,
0.4282

■ 21.8214, 0.3765,
0.4093

■ 22.7262, 0.3597,
0.3892

■ 23.6926, 0.3432,
0.3687

■ 24.7231, 0.3275,
0.3485

Harmonies

Analogous

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



17.5236, 0.5109, 0.4055



17.5236, 0.4542, 0.4776



17.5236, 0.3663, 0.5256

Triad

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



17.5236, 0.4542, 0.4776



17.5236, 0.1488, 0.2742



17.5236, 0.3289, 0.2159

Complementary

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



17.5236, 0.4542, 0.4776



2.5595, 0.1554, 0.0794

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.



17.5236, 0.2324, 0.1846



17.5236, 0.4542, 0.4776



17.5236, 0.1435, 0.2061

Square

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



17.5236, 0.4542, 0.4776



17.5236, 0.1909, 0.3876



17.5236, 0.1707, 0.1797



17.5236, 0.4380, 0.2688

Rectangle

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



17.5236, 0.4542, 0.4776



17.5236, 0.3018, 0.5181



17.5236, 0.1707, 0.1797



17.5236, 0.2935, 0.2027

Sweetspot

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



17.5246, 0.4542, 0.4776



40.5873, 0.3608, 0.3905



5.5616, 0.6070, 0.3117



9.2108, 0.3671, 0.3981



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



17.5246, 0.4542, 0.4776



31.1627, 0.4550, 0.4769



20.8984, 0.3657, 0.5478



5.6946, 0.3262, 0.3468



15.8383, 0.4540, 0.4777



0.1237, 0.4351, 0.4927

Inverse Universe

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



2.5595, 0.1554, 0.0794



4.4019, 0.1546, 0.0767



2.4001, 0.1744, 0.0734



5.0284, 0.2991, 0.3105



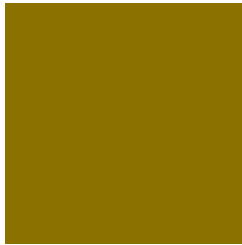
2.3295, 0.1556, 0.0800



0.0311, 0.1727, 0.1417

Previews

White Background



This preview shows how the Yxy color 17.5236, 0.4542, 0.4776 looks on a white background.

Color Contrast Check

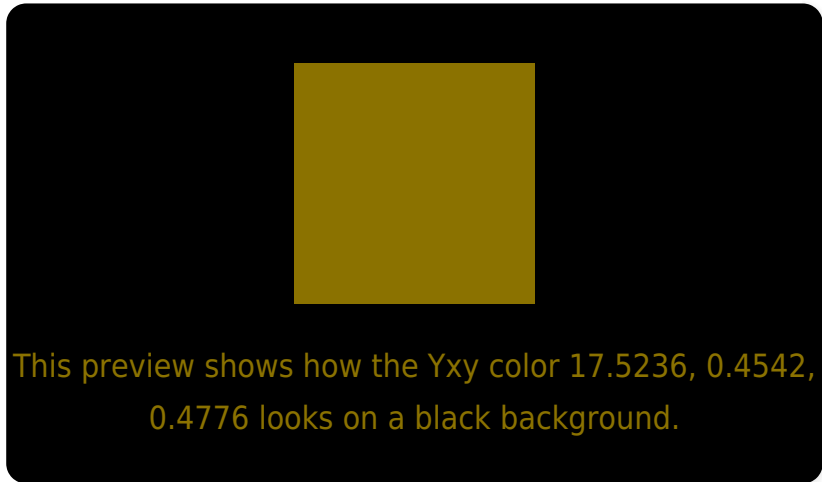
Large Text (above 18pt) WCAG AA ✓ Pass

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

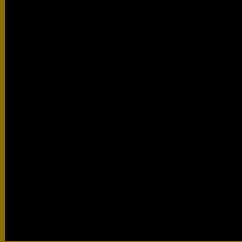
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5236, 0.4542, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 17.5236, 0.4542, 0.4776.



This preview shows how white text looks on a background with the Yxy color 17.5236, 0.4542, 0.4776.

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

17.5236, 0.4542, 0.4776

Protanopia

17.5610, 0.4370, 0.4872

Deuteranopia

17.3791, 0.4676, 0.4599



Tritanopia

17.5427, 0.3569, 0.3151

Trichromacy



Original Color

17.5236, 0.4542, 0.4776

Protanomaly

17.5679, 0.4432, 0.4836

Deuteranomaly

17.3135, 0.4634, 0.4658

Tritanomaly

17.2580, 0.4096, 0.3927

Monochromacy



Original Color

17.5236, 0.4542, 0.4776

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5035, 0.3789, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5236, 0.4542, 0.4776 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(139, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 114, 0)  
}
```

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(139, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.5236, 0.4542, 0.4776 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(139, 114, 0) }
```

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

```
.border{ border-color:rgb(139, 114, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5236, 0.4542, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 114, 0) }
```

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

```
.background{ background-color: rgb(139,  
114, 0) }
```

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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