

Converting Colors

$Y_{xy}(17.5284, 0.4755, 0.4479)$

Have a look what the booklet for
Yxy(17.5284, 0.4755, 0.4479)
contains.

Yxy(17.5444, 0.4751, 0.4478)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5444, 0.4751, 0.4478)

Conversions

Conversions Part 1

Format	Color
Hex	996C13
RGB	153, 108, 19
RGB Percent	60%, 42%, 7%
CMY	0.4001, 0.5764, 0.9255
CMYK	0.00, 0.29, 0.88, 0.40
HSL	40°, 78%, 34%
HSV	40°, 88%, 60%
XYZ	18.6140, 17.5444, 3.0207
YIQ	111.3090, 55.3890, -18.1390

Conversions

Conversions Part 2

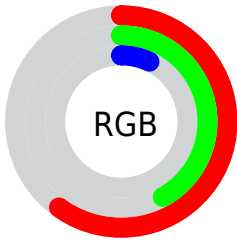
Format	Color
R_{YB}	87, 153, 19
Decimal	10054675
CIE Lab	48.94, 10.45, 51.42
CIE LCh	49, 52.470, 78.510
Yxy	17.5444, 0.4751, 0.4478
Android (android.graphics.Color)	4288244755 (0xFF996C13)
YUV	111.3090, -45.5083, 36.5630
Hunter-Lab	41.8860, 6.0241, 25.0444

Details

The Yxy color **17.5444, 0.4751, 0.4478** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0990, 0.1750, 0.1360**, and the grayscale version is **16.1138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1262, 0.4431, 0.4285**, and **5.8789, 0.4975, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **16.4550, 0.4892, 0.4474**, and if you desaturate by 10%, it is **18.7306, 0.4584, 0.4438**.

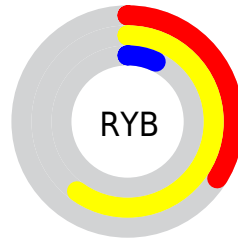
Distribution



Red (60%)

Green (42%)

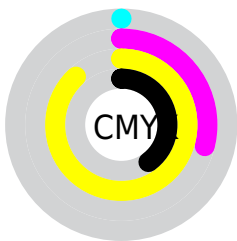
Blue (7%)



Red (34%)

Yellow (60%)

Blue (7%)

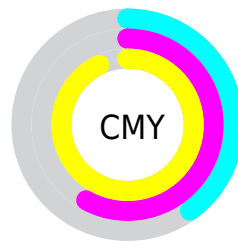


Cyan (0%)

Magenta (29%)

Yellow (88%)

Black (40%)



Cyan (40%)


Magenta (58%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5444, 0.4751, 0.4478 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 17.5444, 0.4751, 0.4478 by changing the saturation by 10% instead.


 17.5444, 0.4751,
0.4478


 17.5444, 0.4751,
0.4478


238.2904, 0.3876,
0.3892


 10.6234, 0.4949,
0.4575


 39.2594, 0.4435,
0.4289


 5.8142, 0.5267,
0.4733

 54.8223, 0.4314,
0.4208

 2.7324, 0.5376,
0.4624

 74.0345, 0.4211,
0.4137


 0.9937, 0.5566,
0.4434

 97.2805, 0.4123,
0.4075

 0.0000, 1.0000,
0.0000


 124.9447, 0.4048,
0.4020

 0.0000, 0.0000,
0.0000


 157.4115, 0.3983,

0.3972


 195.0652, 0.3926,
0.3930


 17.5444, 0.4751,
0.4478


 17.5444, 0.4751,
0.4478


 16.4550, 0.4892,
0.4474

 18.7306, 0.4584,
0.4438

 16.2028, 0.4925,
0.4471

 20.0202, 0.4394,
0.4352

 21.4197, 0.4190,
0.4230

 22.9340, 0.3983,
0.4082

 24.5677, 0.3780,
0.3918

■ 26.3251, 0.3587,
0.3747

■ 28.2099, 0.3407,
0.3577

■ 30.2258, 0.3242,
0.3411

■ 32.3763, 0.3093,
0.3253

Harmonies

Analogous

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



17.5444, 0.5100, 0.3777



17.5444, 0.4751, 0.4478



17.5444, 0.3999, 0.5057

Triad

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



17.5444, 0.4751, 0.4478



17.5444, 0.1662, 0.3146



17.5444, 0.2901, 0.2058

Complementary

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



17.5444, 0.4751, 0.4478



6.0990, 0.1750, 0.1360

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.



17.5444, 0.2089, 0.1848



17.5444, 0.4751, 0.4478



17.5444, 0.1477, 0.2313

Square

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



17.5444, 0.4751, 0.4478



17.5444, 0.2220, 0.4295



17.5444, 0.1621, 0.1912



17.5444, 0.3941, 0.2500

Rectangle

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



17.5444, 0.4751, 0.4478



17.5444, 0.3391, 0.5177



17.5444, 0.1621, 0.1912



17.5444, 0.2594, 0.1960

Sweetspot

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



17.5453, 0.4751, 0.4478



47.5109, 0.3567, 0.3729



7.6276, 0.5155, 0.2741



10.2651, 0.3626, 0.3783



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.5453, 0.4751, 0.4478



28.6723, 0.4943, 0.4457



27.7994, 0.3931, 0.5165



6.8735, 0.3268, 0.3437



13.4583, 0.4919, 0.4476



0.2676, 0.4540, 0.4777

Inverse Universe

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



6.0990, 0.1750, 0.1360



8.1032, 0.1632, 0.1076



3.1976, 0.1688, 0.0791



6.3482, 0.2988, 0.3138



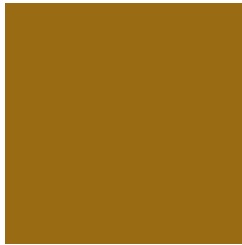
3.9391, 0.1645, 0.1123



0.1213, 0.1870, 0.1930

Previews

White Background



This preview shows how the Yxy color 17.5444, 0.4751, 0.4478 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 17.5444, 0.4751, 0.4478 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 17.5444, 0.4751, 0.4478

Background



This preview shows how black text looks on a background with the Yxy color 17.5444, 0.4751, 0.4478.



This preview shows how white text looks on a background with the Yxy color 17.5444, 0.4751, 0.4478.

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

17.5444, 0.4751, 0.4478

Protanopia

17.6020, 0.4317, 0.4792

Deuteranopia

17.6124, 0.4638, 0.4584



Tritanopia

17.6592, 0.3861, 0.3177

Trichromacy



Original Color

17.5444, 0.4751, 0.4478

Protanomaly

17.5741, 0.4474, 0.4682

Deuteranomaly

17.5851, 0.4674, 0.4547

Tritanomaly

17.4904, 0.4283, 0.3752

Monochromacy



Original Color

17.5444, 0.4751, 0.4478

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1375, 0.3776, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5444, 0.4751, 0.4478 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(153, 108, 19)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 19)  
}
```

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(153, 108, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 19) }
```

Border

The CSS property to change the border of an element to Yxy 17.5444, 0.4751, 0.4478 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(153, 108, 19) }
```

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

```
.border{ border-color:rgb(153, 108, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 108, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 19);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5444, 0.4751, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 19) }
```

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

```
.background{ background-color: rgb(153,  
108, 19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor