

Converting Colors

$Y_{xy}(17.7915, 0.4865, 0.4980)$

Have a look what the booklet for
Yxy(17.7915, 0.4865, 0.4980)
contains.

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Color

Yxy(17.9212, 0.4649, 0.4691)

Conversions

Conversions Part 1

Format	Color
Hex	927100
RGB	146, 113, 0
RGB Percent	57%, 44%, 0%
CMY	0.4274, 0.5569, 1.0000
CMYK	0.00, 0.23, 1.00, 0.43
HSL	46°, 100%, 29%
HSV	46°, 100%, 57%
XYZ	17.7607, 17.9212, 2.5214
YIQ	109.9850, 55.9410, -28.1470

Conversions

Conversions Part 2

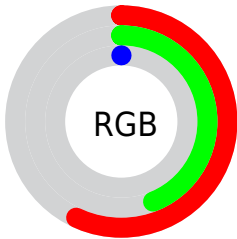
Format	Color
RYB	43, 146, 0
Decimal	9597184
CIELab	49.40, 3.96, 55.75
CIELCh	49, 55.893, 85.942
Yxy	17.9212, 0.4649, 0.4691
Android (android.graphics.Color)	4287787264 (0xFF927100)
YUV	109.9850, -54.2226, 31.5852
Hunter-Lab	42.3334, 0.8051, 26.1020

Details

The Yxy color **17.9212, 0.4649, 0.4691** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1643, 0.1575, 0.0869**, and the grayscale version is **15.7358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7585, 0.4378, 0.4451**, and **6.1206, 0.4732, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **17.9222, 0.4649, 0.4691**, and if you desaturate by 10%, it is **18.7057, 0.4553, 0.4675**.

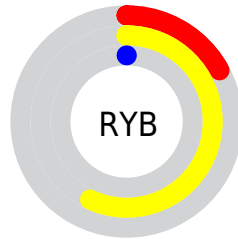
Distribution



Red (57%)

Green (44%)

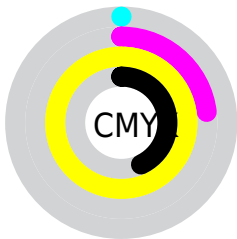
Blue (0%)



Red (17%)

Yellow (57%)

Blue (0%)

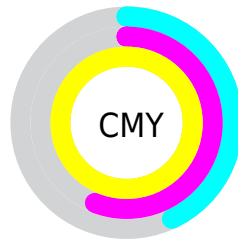


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9212, 0.4649, 0.4691 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 17.9212, 0.4649, 0.4691 by changing the saturation by 10% instead.


 17.9212, 0.4649,
0.4691


 17.9212, 0.4649,
0.4691


240.4265, 0.3857,
0.3987


 10.8934, 0.4808,
0.4815


 39.9030, 0.4376,
0.4459

 5.9952, 0.5023,
0.4977

 55.6258, 0.4266,
0.4362

 2.8422, 0.5065,
0.4935

 75.0158, 0.4172,
0.4277

 1.0499, 0.5139,
0.4861

 98.4573, 0.4091,
0.4203

 0.0000, 1.0000,
0.0000


 126.3347, 0.4020,
0.4138

 0.0000, 0.0000,
0.0000


 159.0325, 0.3959,


0.4081


 196.9349, 0.3905,
0.4031

 17.9212, 0.4649,
0.4691


 17.9212, 0.4649,
0.4691


 17.9222, 0.4649,
0.4691

 18.7057, 0.4553,
0.4675

 19.5393, 0.4438,
0.4625

 20.4345, 0.4297,
0.4531

 21.3959, 0.4136,
0.4399

 22.4275, 0.3963,
0.4237

■ 23.5327, 0.3785,
0.4055

■ 24.7147, 0.3608,
0.3863

■ 25.9764, 0.3438,
0.3668

■ 27.3206, 0.3277,
0.3475

Harmonies

Analogous

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



17.9212, 0.5160, 0.3958



17.9212, 0.4649, 0.4691



17.9212, 0.3792, 0.5237

Triad

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



17.9212, 0.4649, 0.4691



17.9212, 0.1511, 0.2866



17.9212, 0.3144, 0.2096

Complementary

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



17.9212, 0.4649, 0.4691



3.1643, 0.1575, 0.0869

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.



17.9212, 0.2214, 0.1815



17.9212, 0.4649, 0.4691



17.9212, 0.1413, 0.2117

Square

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



17.9212, 0.4649, 0.4691



17.9212, 0.1988, 0.4050



17.9212, 0.1643, 0.1803



17.9212, 0.4253, 0.2604

Rectangle

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



17.9212, 0.4649, 0.4691



17.9212, 0.3145, 0.5247



17.9212, 0.1643, 0.1803



17.9212, 0.2798, 0.1974

Sweetspot

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



17.9222, 0.4649, 0.4691



43.4604, 0.3619, 0.3875



6.2281, 0.5938, 0.3045



9.4916, 0.3685, 0.3948



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.9222, 0.4649, 0.4691



31.3487, 0.4660, 0.4682



23.6924, 0.3737, 0.5415



6.5245, 0.3265, 0.3460



15.8027, 0.4646, 0.4693



0.2372, 0.4398, 0.4890

Inverse Universe

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



3.1643, 0.1575, 0.0869



5.3647, 0.1567, 0.0840



2.5058, 0.1678, 0.0698



5.8331, 0.2989, 0.3114



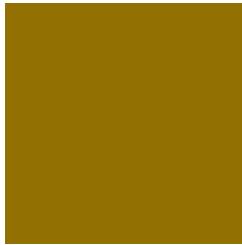
2.8133, 0.1577, 0.0877



0.0724, 0.1775, 0.1588

Previews

White Background



This preview shows how the Yxy color 17.9212, 0.4649, 0.4691 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 17.9212, 0.4649, 0.4691 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 17.9212, 0.4649, 0.4691

Background



This preview shows how black text looks on a background with the Yxy color 17.9212, 0.4649, 0.4691.



This preview shows how white text looks on a background with the Yxy color 17.9212, 0.4649, 0.4691.

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

17.9212, 0.4649, 0.4691

Protanopia

17.9588, 0.4380, 0.4859

Deuteranopia

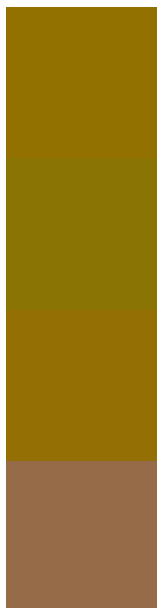
17.9932, 0.4682, 0.4622



Tritanopia

17.9708, 0.3685, 0.3156

Trichromacy



Original Color

17.9212, 0.4649, 0.4691

Protanomaly

17.9028, 0.4486, 0.4795

Deuteranomaly

17.8930, 0.4678, 0.4643

Tritanomaly

17.6770, 0.4216, 0.3900

Monochromacy



Original Color

17.9212, 0.4649, 0.4691

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0220, 0.3828, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9212, 0.4649, 0.4691 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(146, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 113, 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(146, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.9212, 0.4649, 0.4691 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(146, 113, 0) }
```

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

```
.border{ border-color:rgb(146, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9212, 0.4649, 0.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 113, 0) }
```

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

```
.background{ background-color: rgb(146,  
113, 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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