

Converting Colors

$Y_{xy}(17.0613, 0.4741, 0.4467)$

Have a look what the booklet for
Yxy(17.0613, 0.4741, 0.4467)
contains.

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Color

Yxy(17.1488, 0.4732, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	976B15
RGB	151, 107, 21
RGB Percent	59%, 42%, 8%
CMY	0.4079, 0.5804, 0.9177
CMYK	0.00, 0.29, 0.86, 0.41
HSL	40°, 76%, 34%
HSV	40°, 86%, 59%
XYZ	18.1539, 17.1488, 3.0615
YIQ	110.3520, 53.8300, -17.4180

Conversions

Conversions Part 2

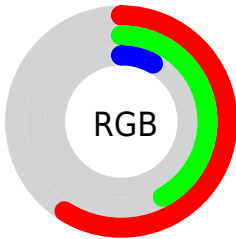
Format	Color
R_{YB}	88, 151, 21
Decimal	9923349
CIE Lab	48.45, 10.16, 50.30
CIE LCh	48, 51.315, 78.581
Yxy	17.1488, 0.4732, 0.4470
Android (android.graphics.Color)	4288113429 (0xFF976B15)
YUV	110.3520, -44.0505, 35.6483
Hunter-Lab	41.4111, 5.7820, 24.6046

Details

The Yxy color **17.1488, 0.4732, 0.4470** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1690, 0.1768, 0.1402**, and the grayscale version is **15.8168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5034, 0.4414, 0.4275**, and **5.7185, 0.4983, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **16.0746, 0.4877, 0.4471**, and if you desaturate by 10%, it is **18.3203, 0.4560, 0.4423**.

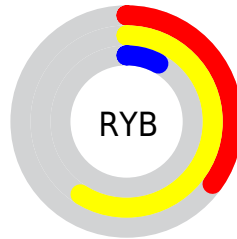
Distribution



 Red (59%)

 Green (42%)

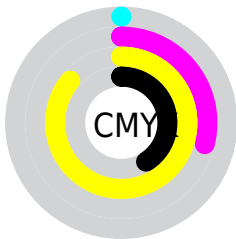
 Blue (8%)



 Red (35%)

 Yellow (59%)

 Blue (8%)

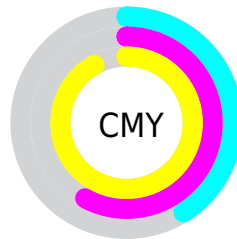



 Cyan (0%)

 Magenta (29%)

 Yellow (86%)

 Black (41%)



 Cyan (41%)


 Magenta (58%)


 Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1488, 0.4732, 0.4470 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 17.1488, 0.4732, 0.4470 by changing the saturation by 10% instead.


 17.1488, 0.4732,
0.4470

 17.1488, 0.4732,
0.4470


236.0284, 0.3862,
0.3882


 10.3406, 0.4932,
0.4570


 38.5814, 0.4416,
0.4278


 5.6254, 0.5260,
0.4740

 53.9747, 0.4295,
0.4197

 2.6187, 0.5369,
0.4631

 72.9985, 0.4193,
0.4126

 0.9361, 0.5561,
0.4439

 96.0371, 0.4106,
0.4064


 0.0000, 1.0000,
0.0000

 123.4750, 0.4032,
0.4010

 0.0000, 0.0000,
0.0000


 155.6966, 0.3967,


0.3962


 193.0863, 0.3911,
0.3920


 17.1488, 0.4732,
0.4470


 17.1488, 0.4732,
0.4470


 16.0746, 0.4877,
0.4471


 18.3203, 0.4560,
0.4423

 15.6759, 0.4932,
0.4466

 19.5938, 0.4366,
0.4331

 20.9757, 0.4160,
0.4205

 22.4706, 0.3953,
0.4055

 24.0830, 0.3751,
0.3890

■ 25.8168, 0.3559,
0.3720

■ 27.6758, 0.3381,
0.3550

■ 29.6636, 0.3219,
0.3386

■ 31.7834, 0.3072,
0.3230

Harmonies

Analogous

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



17.1488, 0.5074, 0.3777



17.1488, 0.4732, 0.4470



17.1488, 0.3990, 0.5036

Triad

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



17.1488, 0.4732, 0.4470



17.1488, 0.1679, 0.3147



17.1488, 0.2907, 0.2072

Complementary

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



17.1488, 0.4732, 0.4470



6.1690, 0.1768, 0.1402

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.



17.1488, 0.2103, 0.1864



17.1488, 0.4732, 0.4470



17.1488, 0.1495, 0.2326

Square

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



17.1488, 0.4732, 0.4470



17.1488, 0.2232, 0.4276



17.1488, 0.1638, 0.1928



17.1488, 0.3933, 0.2512

Rectangle

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



17.1488, 0.4732, 0.4470



17.1488, 0.3389, 0.5148



17.1488, 0.1638, 0.1928



17.1488, 0.2604, 0.1975

Sweetspot

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



17.1497, 0.4732, 0.4470



46.1088, 0.3567, 0.3727



7.5129, 0.5104, 0.2734



10.2513, 0.3626, 0.3781



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.



17.1497, 0.4732, 0.4470



27.7291, 0.4950, 0.4452



27.0482, 0.3929, 0.5150



6.8707, 0.3268, 0.3437



13.3919, 0.4926, 0.4471



0.2668, 0.4543, 0.4775

Inverse Universe

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



6.1690, 0.1768, 0.1402



7.9473, 0.1635, 0.1085



3.2303, 0.1707, 0.0817



6.3509, 0.2988, 0.3139



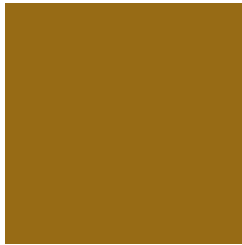
3.9695, 0.1647, 0.1130



0.1220, 0.1872, 0.1938

Previews

White Background



This preview shows how the Yxy color 17.1488, 0.4732, 0.4470 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 17.1488, 0.4732, 0.4470 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 17.1488, 0.4732, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 17.1488, 0.4732, 0.4470.



This preview shows how white text looks on a background with the Yxy color 17.1488, 0.4732, 0.4470.

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

17.1488, 0.4732, 0.4470

Protanopia

17.2985, 0.4307, 0.4774

Deuteranopia

17.0953, 0.4647, 0.4555



Tritanopia

17.2438, 0.3853, 0.3176

Trichromacy



Original Color

17.1488, 0.4732, 0.4470

Protanomaly

17.2715, 0.4465, 0.4665

Deuteranomaly

17.0715, 0.4683, 0.4517

Tritanomaly

17.0923, 0.4264, 0.3741

Monochromacy



Original Color

17.1488, 0.4732, 0.4470

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8473, 0.3768, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1488, 0.4732, 0.4470 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(151, 107, 21)` looks like.

```
.text, #text, p{  
    color:rgb(151, 107, 21)  
}
```

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(151, 107, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 107, 21) }
```

Border

The CSS property to change the border of an element to Yxy 17.1488, 0.4732, 0.4470 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(151, 107, 21) }
```

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

```
.border{ border-color:rgb(151, 107, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 107, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 107, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 107, 21);  
box-shadow:4px 4px 4px 4px rgb(151, 107,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1488, 0.4732, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 107, 21) }
```

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

```
.background{ background-color: rgb(151,  
107, 21) }
```

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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