

Converting Colors

$Yxy(23.2864, 0.5137, 0.4737)$

Have a look what the booklet for
Yxy(23.2864, 0.5137, 0.4737)
contains.

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Color

Yxy(23.3780, 0.4916, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	B47900
RGB	180, 121, 0
RGB Percent	71%, 47%, 0%
CMY	0.2941, 0.5255, 1.0000
CMYK	0.00, 0.33, 1.00, 0.29
HSL	40°, 100%, 35%
HSV	40°, 100%, 71%
XYZ	25.6589, 23.3780, 3.1578
YIQ	124.8470, 74.0050, -25.1230

Conversions

Conversions Part 2

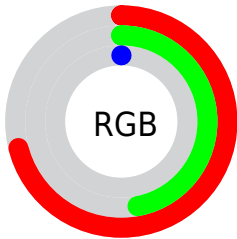
Format	Color
RYB	88, 180, 0
Decimal	11827456
CIELab	55.46, 15.13, 61.76
CIELCh	55, 63.586, 76.231
Yxy	23.3780, 0.4916, 0.4479
Android (android.graphics.Color)	4290017536 (0xFFB47900)
YUV	124.8470, -61.5496, 48.3692
Hunter-Lab	48.3508, 10.1129, 29.9733

Details

The Yxy color **23.3780, 0.4916, 0.4479** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4220, 0.1630, 0.1068**, and the grayscale version is **20.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9932, 0.4613, 0.4327**, and **8.9027, 0.5082, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **23.3794, 0.4916, 0.4479**, and if you desaturate by 10%, it is **24.9010, 0.4786, 0.4496**.

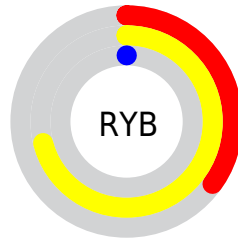
Distribution



Red (71%)

Green (47%)

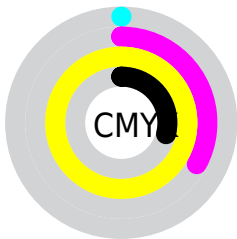
Blue (0%)



Red (35%)

Yellow (71%)

Blue (0%)

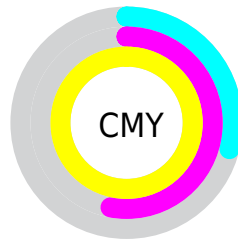


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3780, 0.4916, 0.4479 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 23.3780, 0.4916, 0.4479 by changing the saturation by 10% instead.


 23.3780, 0.4916,
0.4479


 23.3780, 0.4916,
0.4479

269.6606, 0.4012,
0.3957


 14.8729, 0.5099,
0.4542


 49.0133, 0.4608,
0.4330


 8.7302, 0.5367,
0.4633


 66.9122, 0.4484,
0.4260


 4.5656, 0.5481,
0.4519

 88.7111, 0.4377,
0.4196

 1.9947, 0.5663,
0.4337

 114.7946, 0.4283,
0.4137

 0.6044, 0.6107,
0.3893


 145.5468, 0.4202,
0.4085


 0.0000, 0.0000,
0.0000

 181.3523, 0.4131,


0.4038


 222.5954, 0.4068,
0.3996


 23.3780, 0.4916,
0.4479

 23.3780, 0.4916,
0.4479


 23.3794, 0.4916,
0.4479

 24.9010, 0.4786,
0.4496

 26.5520, 0.4630,
0.4470

 28.3488, 0.4448,
0.4397

 30.3004, 0.4248,
0.4283

 32.4142, 0.4041,
0.4138

■ 34.6972, 0.3835,
0.3974

■ 37.1555, 0.3638,
0.3801

■ 39.7951, 0.3453,
0.3626

■ 42.6212, 0.3282,
0.3454

Harmonies

Analogous

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



23.3780, 0.5279, 0.3721



23.3780, 0.4916, 0.4479



23.3780, 0.4110, 0.5168

Triad

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



23.3780, 0.4916, 0.4479



23.3780, 0.1570, 0.3204



23.3780, 0.2793, 0.1937

Complementary

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



23.3780, 0.4916, 0.4479



6.4220, 0.1630, 0.1068

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.



23.3780, 0.1950, 0.1734



23.3780, 0.4916, 0.4479



23.3780, 0.1356, 0.2265

Square

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



23.3780, 0.4916, 0.4479



23.3780, 0.2187, 0.4503



23.3780, 0.1485, 0.1818



23.3780, 0.3929, 0.2389

Rectangle

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



23.3780, 0.4916, 0.4479



23.3780, 0.3459, 0.5377



23.3780, 0.1485, 0.1818



23.3780, 0.2470, 0.1840

Sweetspot

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



23.3794, 0.4916, 0.4479



67.1371, 0.3648, 0.3810



10.0291, 0.5636, 0.2878



14.1041, 0.3729, 0.3883



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.3794, 0.4916, 0.4479



41.9510, 0.4931, 0.4467



39.1249, 0.3902, 0.5283



9.4278, 0.3271, 0.3443



16.4446, 0.4905, 0.4488



0.6184, 0.4662, 0.4680

Inverse Universe

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



6.4220, 0.1630, 0.1068



11.2666, 0.1622, 0.1039



3.5712, 0.1574, 0.0641



8.6700, 0.2985, 0.3133



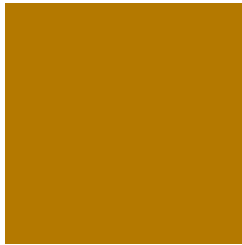
4.5933, 0.1636, 0.1090



0.2538, 0.1801, 0.1683

Previews

White Background



This preview shows how the Yxy color 23.3780, 0.4916, 0.4479 looks on a white background.

Color Contrast Check

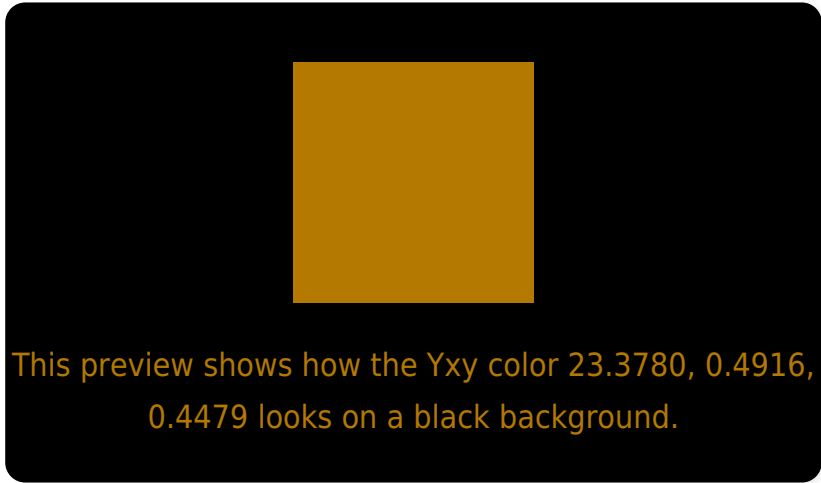
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 23.3780, 0.4916, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 23.3780, 0.4916, 0.4479.



This preview shows how white text looks on a background with the Yxy color 23.3780, 0.4916, 0.4479.

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

23.3780, 0.4916, 0.4479

Protanopia

23.5608, 0.4364, 0.4857

Deuteranopia

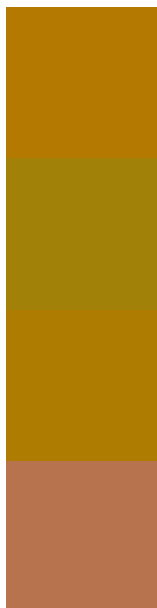
23.3567, 0.4724, 0.4631



Tritanopia

23.2831, 0.3976, 0.3164

Trichromacy



Original Color

23.3780, 0.4916, 0.4479

Protanomaly

23.2951, 0.4571, 0.4713

Deuteranomaly

23.2995, 0.4797, 0.4573

Tritanomaly

22.8646, 0.4509, 0.3819

Monochromacy



Original Color

23.3780, 0.4916, 0.4479

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0142, 0.3916, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3780, 0.4916, 0.4479 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(180, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 121, 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(180, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3780, 0.4916, 0.4479 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(180, 121, 0) }
```

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

```
.border{ border-color:rgb(180, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3780, 0.4916, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 121, 0) }
```

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

```
.background{ background-color: rgb(180,  
121, 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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