

Converting Colors

$Y_{xy}(17.3455, 0.4697, 0.3940)$

Have a look what the booklet for
Yxy(17.3455, 0.4697, 0.3940)
contains.

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Color

$\text{Yxy}(17.2924, 0.4692, 0.3942)$

Conversions

Conversions Part 1	
Format	Color
Hex	A46438
RGB	164, 100, 56
RGB Percent	64%, 39%, 22%
CMY	0.3568, 0.6078, 0.7805
CMYK	0.00, 0.39, 0.66, 0.36
HSL	24°, 49%, 43%
HSV	24°, 66%, 64%
XYZ	20.5824, 17.2924, 5.9922
YIQ	114.1200, 52.2680, -0.1160

Conversions

Conversions Part 2

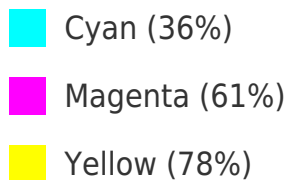
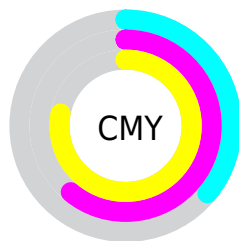
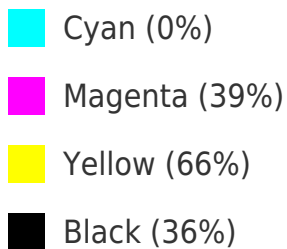
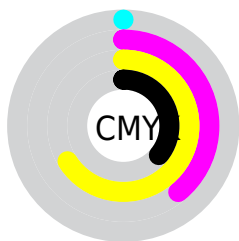
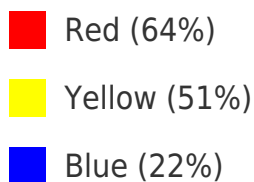
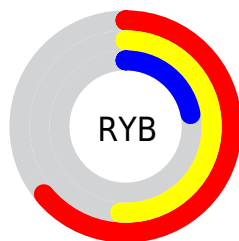
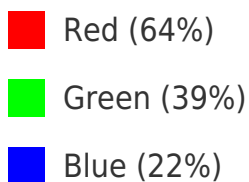
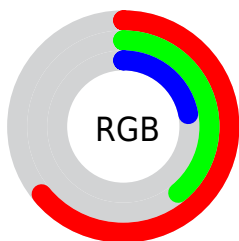
Format	Color
RYB	164, 130, 56
Decimal	10773560
CIELab	48.63, 21.69, 35.35
CIELCh	49, 41.475, 58.465
Yxy	17.2924, 0.4692, 0.3942
Android (android.graphics.Color)	4288963640 (0xFFA46438)
YUV	114.1200, -28.6532, 43.7448
Hunter-Lab	41.5841, 15.5779, 20.5652

Details

The Yxy color **17.2924, 0.4692, 0.3942** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.9536, 0.2162, 0.2436**, and the grayscale version is **16.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6623, 0.4343, 0.3843**, and **5.7563, 0.5264, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **15.4038, 0.5005, 0.3981**, and if you desaturate by 10%, it is **19.4578, 0.4383, 0.3869**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2924, 0.4692, 0.3942 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 17.2924, 0.4692, 0.3942 by changing the saturation by 10% instead.


 17.2924, 0.4692,
0.3942


 17.2924, 0.4692,
0.3942

236.8518, 0.3795,
0.3627


 10.4432, 0.4945,
0.3994

 38.8278, 0.4341,
0.3840


 5.6938, 0.5277,
0.4030


 54.2828, 0.4216,
0.3797


 2.6598, 0.5881,
0.4119


 73.3752, 0.4114,
0.3759

 0.9568, 0.6241,
0.3759

 96.4894, 0.4028,
0.3726

 0.0000, 1.0000,
0.0000

 124.0098, 0.3956,
0.3696


 0.0000, 0.0000,
0.0000


 156.3207, 0.3895,


0.3671


193.8066, 0.3842,
0.3648


 17.2924, 0.4692,
0.3942


 17.2924, 0.4692,
0.3942


 15.4038, 0.5005,
0.3981

 19.4578, 0.4383,
0.3869


 13.7762, 0.5302,
0.3974


 21.9093, 0.4093,
0.3774

 12.3951, 0.5559,
0.3917

 24.6590, 0.3830,
0.3668

 11.8872, 0.5661,
0.3887

 27.7176, 0.3597,
0.3559

 31.0948, 0.3394,
0.3451

■ 34.8002, 0.3218,
0.3348

■ 38.8427, 0.3067,
0.3251

■ 43.2311, 0.2938,
0.3161

■ 47.9737, 0.2826,
0.3079

Harmonies

Analogous

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



17.2924, 0.4612, 0.3355



17.2924, 0.4692, 0.3942



17.2924, 0.4311, 0.4481

Triad

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



17.2924, 0.4692, 0.3942



17.2924, 0.2218, 0.3784



17.2924, 0.2477, 0.2122

Complementary

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



17.2924, 0.4692, 0.3942



16.9536, 0.2162, 0.2436

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.



17.2924, 0.1976, 0.2104



17.2924, 0.4692, 0.3942



17.2924, 0.1835, 0.2940

Square

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



17.2924, 0.4692, 0.3942



17.2924, 0.2874, 0.4543



17.2924, 0.1760, 0.2362



17.2924, 0.3226, 0.2371

Rectangle

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



17.2924, 0.4692, 0.3942



17.2924, 0.3884, 0.4724



17.2924, 0.1760, 0.2362



17.2924, 0.2279, 0.2088

Sweetspot

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



17.2933, 0.4692, 0.3942



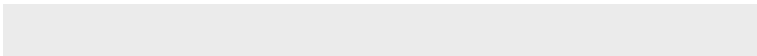
53.5957, 0.3482, 0.3499



12.0963, 0.3911, 0.2346



11.3636, 0.3537, 0.3528



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.2933, 0.4692, 0.3942



26.5337, 0.5146, 0.3984



31.0302, 0.4112, 0.4648



7.5377, 0.3275, 0.3382



9.2022, 0.5644, 0.3901



0.2850, 0.5021, 0.4395

Inverse Universe

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



16.9536, 0.2162, 0.2436



25.7516, 0.2007, 0.2208



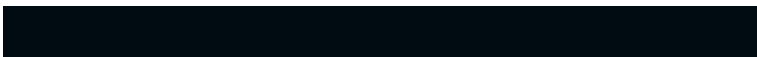
7.5102, 0.1917, 0.1394



7.5248, 0.2987, 0.3196



8.7314, 0.1868, 0.1924



0.2729, 0.2021, 0.2475

Previews

White Background



This preview shows how the Yxy color 17.2924, 0.4692, 0.3942 looks on a white background.

Color Contrast Check

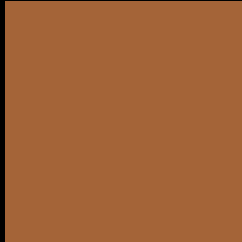
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2924, 0.4692, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

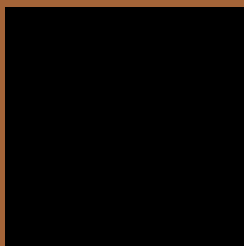
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2924, 0.4692, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 17.2924, 0.4692, 0.3942.



This preview shows how white text looks on a background with the Yxy color 17.2924, 0.4692, 0.3942.

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

17.2924, 0.4692, 0.3942

Protanopia

17.4169, 0.3964, 0.4317

Deuteranopia

17.2578, 0.4314, 0.4238



Tritanopia

17.3592, 0.4113, 0.3184

Trichromacy



Original Color

17.2924, 0.4692, 0.3942

Protanomaly

17.1303, 0.4231, 0.4177

Deuteranomaly

17.1632, 0.4460, 0.4114

Tritanomaly

17.3123, 0.4350, 0.3480

Monochromacy



Original Color

17.2924, 0.4692, 0.3942

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6331, 0.3666, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2924, 0.4692, 0.3942 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(164, 100, 56)` looks like.

```
.text, #text, p{  
    color:rgb(164, 100, 56)  
}
```

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(164, 100, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 100, 56) }
```

Border

The CSS property to change the border of an element to Yxy 17.2924, 0.4692, 0.3942 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(164, 100, 56) }
```

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

```
.border{ border-color:rgb(164, 100, 56) }
```

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

Here you see how a box with a 4 pixel rgb(164, 100, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 100, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 100, 56);  
box-shadow:4px 4px 4px 4px rgb(164, 100,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2924, 0.4692, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 100, 56) }
```

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

```
.background{ background-color: rgb(164,  
100, 56) }
```

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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