

Converting Colors

$Y_{xy}(17.9928, 0.5424, 0.4485)$

Have a look what the booklet for
Yxy(17.9928, 0.5424, 0.4485)
contains.

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Color

Yxy(18.2283, 0.5194, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	AF6400
RGB	175, 100, 0
RGB Percent	69%, 39%, 0%
CMY	0.3138, 0.6078, 1.0000
CMYK	0.00, 0.43, 1.00, 0.31
HSL	34°, 100%, 34%
HSV	34°, 100%, 69%
XYZ	22.2353, 18.2283, 2.3460
YIQ	111.0250, 76.8000, -15.2000

Conversions

Conversions Part 2

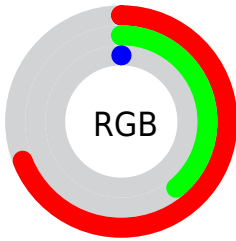
Format	Color
RYB	131, 175, 0
Decimal	11494400
CIELab	49.77, 24.59, 57.75
CIELCh	50, 62.763, 66.938
Yxy	18.2283, 0.5194, 0.4258
Android (android.graphics.Color)	4289684480 (0xFFAF6400)
YUV	111.0250, -54.7353, 56.1061
Hunter-Lab	42.6946, 18.2469, 26.6284

Details

The Yxy color **18.2283, 0.5194, 0.4258** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.1249, 0.1710, 0.1355**, and the grayscale version is **16.0501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3139, 0.4810, 0.4168**, and **6.1690, 0.5494, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **18.2293, 0.5194, 0.4258**, and if you desaturate by 10%, it is **19.7768, 0.5018, 0.4297**.

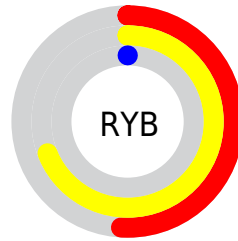
Distribution



Red (69%)

Green (39%)

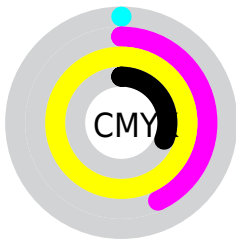
Blue (0%)



Red (51%)

Yellow (69%)

Blue (0%)

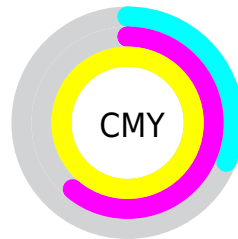


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2283, 0.5194, 0.4258 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 18.2283, 0.5194, 0.4258 by changing the saturation by 10% instead.


 18.2283, 0.5194,
0.4258


 18.2283, 0.5194,
0.4258


242.1547, 0.4095,
0.3868


 11.1140, 0.5438,
0.4272


 40.4260, 0.4805,
0.4167


 6.1436, 0.5748,
0.4252

 56.2781, 0.4653,
0.4115

 2.9326, 0.5970,
0.4030

 75.8117, 0.4523,
0.4065

 1.0966, 0.6339,
0.3661

 99.4111, 0.4412,
0.4018

 0.0000, 1.0000,
0.0000


 127.4607, 0.4316,
0.3975


 0.0000, 0.0000,
0.0000


 160.3449, 0.4232,

0.3936

 198.4481, 0.4159,
0.3900


 18.2283, 0.5194,
0.4258


 18.2283, 0.5194,
0.4258


 18.2293, 0.5194,
0.4258

 19.7768, 0.5018,
0.4297

 21.4974, 0.4815,
0.4293

 23.4089, 0.4586,
0.4238

 25.5214, 0.4345,
0.4143

 27.8436, 0.4105,
0.4019

■ 30.3837, 0.3873,
0.3877

■ 33.1491, 0.3658,
0.3727

■ 36.1469, 0.3461,
0.3576

■ 39.3835, 0.3284,
0.3430

Harmonies

Analogous

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



18.2283, 0.5393, 0.3480



18.2283, 0.5194, 0.4258



18.2283, 0.4435, 0.5061

Triad

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



18.2283, 0.5194, 0.4258



18.2283, 0.1628, 0.3605



18.2283, 0.2447, 0.1770

Complementary

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



18.2283, 0.5194, 0.4258



8.1249, 0.1710, 0.1355

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.



18.2283, 0.1692, 0.1645



18.2283, 0.5194, 0.4258



18.2283, 0.1290, 0.2435

Square

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



18.2283, 0.5194, 0.4258



18.2283, 0.2396, 0.4993



18.2283, 0.1324, 0.1829



18.2283, 0.3588, 0.2165

Rectangle

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



18.2283, 0.5194, 0.4258



18.2283, 0.3775, 0.5453



18.2283, 0.1324, 0.1829



18.2283, 0.2149, 0.1697

Sweetspot

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



18.2293, 0.5194, 0.4258



59.1070, 0.3668, 0.3735



9.6326, 0.5231, 0.2655



12.6732, 0.3756, 0.3797



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.2293, 0.5194, 0.4258



32.2090, 0.5215, 0.4241



38.4784, 0.4078, 0.5144



8.7465, 0.3273, 0.3420



13.1796, 0.5179, 0.4270



0.4724, 0.4808, 0.4564

Inverse Universe

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



8.1249, 0.1710, 0.1355



14.1385, 0.1702, 0.1325



3.1707, 0.1522, 0.0612



8.3004, 0.2986, 0.3157



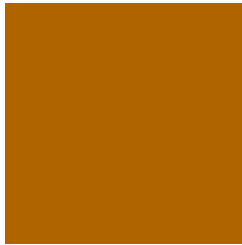
5.9363, 0.1716, 0.1376



0.2751, 0.1886, 0.1989

Previews

White Background



This preview shows how the Yxy color 18.2283, 0.5194, 0.4258 looks on a white background.

Color Contrast Check

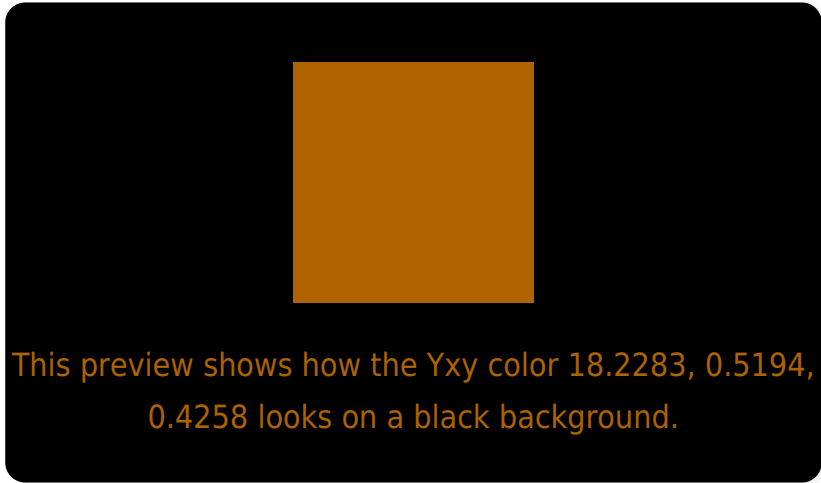
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.2283, 0.5194, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 18.2283, 0.5194, 0.4258.



This preview shows how white text looks on a background with the Yxy color 18.2283, 0.5194, 0.4258.

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

18.2283, 0.5194, 0.4258

Protanopia

18.2937, 0.4358, 0.4830

Deuteranopia

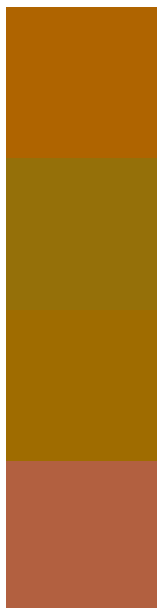
18.2943, 0.4699, 0.4651



Tritanopia

18.3325, 0.4320, 0.3192

Trichromacy



Original Color

18.2283, 0.5194, 0.4258

Protanomaly

17.9976, 0.4676, 0.4614

Deuteranomaly

18.0961, 0.4889, 0.4500

Tritanomaly

18.2009, 0.4809, 0.3730

Monochromacy



Original Color

18.2283, 0.5194, 0.4258

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.0387, 0.4010, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2283, 0.5194, 0.4258 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(175, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 100, 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(175, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2283, 0.5194, 0.4258 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(175, 100, 0) }
```

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

```
.border{ border-color:rgb(175, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2283, 0.5194, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 100, 0) }
```

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

```
.background{ background-color: rgb(175,  
100, 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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