

Converting Colors

$Y_{xy}(20.3050, 0.4515, 0.4797)$

Have a look what the booklet for
Yxy(20.3050, 0.4515, 0.4797)
contains.

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Color

$Y_{xy}(20.3690, 0.4507, 0.4803)$

Conversions

Conversions Part 1

Format	Color
Hex	937B00
RGB	147, 123, 0
RGB Percent	58%, 48%, 0%
CMY	0.4236, 0.5176, 0.9997
CMYK	0.00, 0.16, 1.00, 0.42
HSL	50°, 100%, 29%
HSV	50°, 100%, 58%
XYZ	19.1137, 20.3690, 2.9262
YIQ	116.1540, 53.7870, -33.1650

Conversions

Conversions Part 2

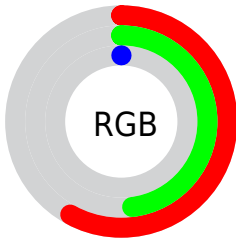
Format	Color
RYB	29, 147, 0
Decimal	9665280
CIELab	52.25, -1.25, 57.77
CIElCh	52, 57.782, 91.243
Yxy	20.3690, 0.4507, 0.4803
Android (android.graphics.Color)	4287855360 (0xFF937B00)
YUV	116.1540, -57.2639, 27.0519
Hunter-Lab	45.1320, -3.3852, 27.7482

Details

The Yxy color **20.3690, 0.4507, 0.4803** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7619, 0.1546, 0.0763**, and the grayscale version is **17.6845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0324, 0.4278, 0.4540**, and **7.3075, 0.4534, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **20.3667, 0.4507, 0.4803**, and if you desaturate by 10%, it is **21.0062, 0.4434, 0.4777**.

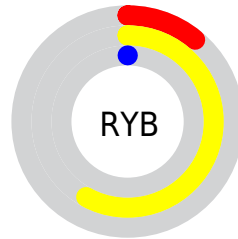
Distribution



Red (58%)

Green (48%)

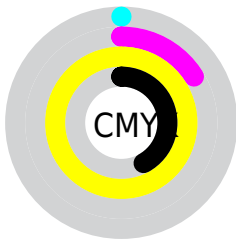
Blue (0%)



Red (11%)

Yellow (58%)

Blue (0%)

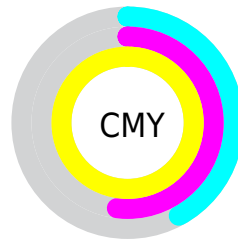


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3690, 0.4507, 0.4803 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 20.3690, 0.4507, 0.4803 by changing the saturation by 10% instead.


 20.3690, 0.4507,
0.4803


 20.3690, 0.4507,
0.4803


253.9058, 0.3814,
0.4035


 12.6636, 0.4636,
0.4951


 44.0350, 0.4276,
0.4543


 7.1973, 0.4828,
0.5172


 60.7643, 0.4180,
0.4437


 3.5858, 0.4816,
0.5184

 81.2704, 0.4097,
0.4345

 1.4447, 0.4796,
0.5204

 105.9376, 0.4025,
0.4266

 0.2493, 0.4529,
0.5471


 135.1503, 0.3961,
0.4196


 0.0000, 0.0000,
0.0000

 169.2930, 0.3906,


0.4136


 208.7500, 0.3857,
0.4082


 20.3690, 0.4507,
0.4803


 20.3690, 0.4507,
0.4803


 20.3667, 0.4507,
0.4803

 21.0062, 0.4434,
0.4777

 21.6806, 0.4341,
0.4717

 22.4046, 0.4222,
0.4615

 23.1828, 0.4082,
0.4474

 24.0188, 0.3926,
0.4303

■ 24.9161, 0.3762,
0.4110

■ 25.8778, 0.3595,
0.3905

■ 26.9066, 0.3432,
0.3696

■ 28.0052, 0.3274,
0.3489

Harmonies

Analogous

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



20.3690, 0.5092, 0.4086



20.3690, 0.4507, 0.4803



20.3690, 0.3622, 0.5260

Triad

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



20.3690, 0.4507, 0.4803



20.3690, 0.1481, 0.2704



20.3690, 0.3337, 0.2180

Complementary

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



20.3690, 0.4507, 0.4803



2.7619, 0.1546, 0.0763

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.



20.3690, 0.2360, 0.1856



20.3690, 0.4507, 0.4803



20.3690, 0.1442, 0.2044

Square

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



20.3690, 0.4507, 0.4803



20.3690, 0.1885, 0.3821



20.3690, 0.1728, 0.1795



20.3690, 0.4420, 0.2716

Rectangle

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



20.3690, 0.4507, 0.4803



20.3690, 0.2977, 0.5157



20.3690, 0.1728, 0.1795



20.3690, 0.2980, 0.2045

Sweetspot

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



20.3700, 0.4507, 0.4803



46.2362, 0.3607, 0.3919



6.2715, 0.6120, 0.3146



10.4016, 0.3670, 0.3998



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.3700, 0.4507, 0.4803



36.2644, 0.4515, 0.4797



23.4598, 0.3628, 0.5501



6.5852, 0.3263, 0.3474



17.6915, 0.4505, 0.4805



0.2511, 0.4335, 0.4940

Inverse Universe

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



2.7619, 0.1546, 0.0763



4.7636, 0.1539, 0.0738



2.7619, 0.1762, 0.0745



5.7768, 0.2989, 0.3099



2.4183, 0.1547, 0.0770



0.0585, 0.1709, 0.1352

Previews

White Background



This preview shows how the Yxy color 20.3690, 0.4507, 0.4803 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



This preview shows how the Yxy color 20.3690, 0.4507, 0.4803 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 20.3690, 0.4507, 0.4803

Background



This preview shows how black text looks on a background with the Yxy color 20.3690, 0.4507, 0.4803.

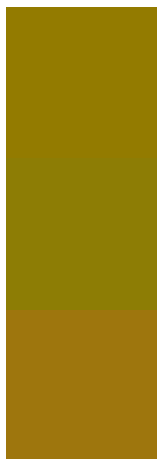


This preview shows how white text looks on a background with the Yxy color 20.3690, 0.4507, 0.4803.

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

20.3690, 0.4507, 0.4803

Protanopia

20.3409, 0.4390, 0.4867

Deuteranopia

20.2550, 0.4682, 0.4592



Tritanopia

20.3347, 0.3542, 0.3142

Trichromacy



Original Color

20.3690, 0.4507, 0.4803

Protanomaly

20.2615, 0.4435, 0.4843

Deuteranomaly

20.3205, 0.4618, 0.4671

Tritanomaly

19.8519, 0.4075, 0.3946

Monochromacy



Original Color

20.3690, 0.4507, 0.4803

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2001, 0.3778, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3690, 0.4507, 0.4803 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(147, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 123, 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(147, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3690, 0.4507, 0.4803 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(147, 123, 0) }
```

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

```
.border{ border-color:rgb(147, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3690, 0.4507, 0.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 123, 0) }
```

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

```
.background{ background-color: rgb(147,  
123, 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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