

Converting Colors

$Y_{xy}(20.8057, 0.4889, 0.4679)$

Have a look what the booklet for
Yxy(20.8057, 0.4889, 0.4679)
contains.

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Color

Yxy(20.9562, 0.4799, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	A57600
RGB	165, 118, 0
RGB Percent	65%, 46%, 0%
CMY	0.3529, 0.5373, 1.0000
CMYK	0.00, 0.28, 1.00, 0.35
HSL	43°, 100%, 32%
HSV	43°, 100%, 65%
XYZ	21.9967, 20.9562, 2.8831
YIQ	118.6010, 65.8900, -26.7340

Conversions

Conversions Part 2

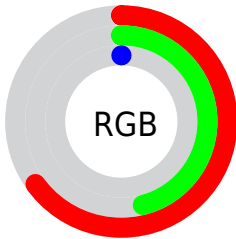
Format	Color
RYB	66, 165, 0
Decimal	10843648
CIELab	52.90, 9.99, 59.18
CIELCh	53, 60.022, 80.419
Yxy	20.9562, 0.4799, 0.4572
Android (android.graphics.Color)	4289033728 (0xFFA57600)
YUV	118.6010, -58.4703, 40.6919
Hunter-Lab	45.7779, 5.6593, 28.3105

Details

The Yxy color **20.9562, 0.4799, 0.4572** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7507, 0.1605, 0.0976**, and the grayscale version is **18.4886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1503, 0.4507, 0.4384**, and **7.5685, 0.4937, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **20.9574, 0.4799, 0.4572**, and if you desaturate by 10%, it is **22.1313, 0.4684, 0.4574**.

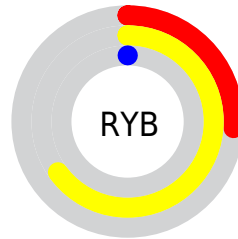
Distribution



Red (65%)

Green (46%)

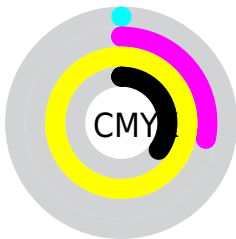
Blue (0%)



Red (26%)

Yellow (65%)

Blue (0%)

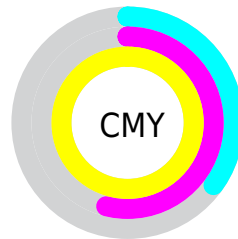


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9562, 0.4799, 0.4572 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 20.9562, 0.4799, 0.4572 by changing the saturation by 10% instead.


 20.9562, 0.4799,
0.4572


 20.9562, 0.4799,
0.4572


257.0456, 0.3943,
0.3972


 13.0920, 0.4972,
0.4659


 45.0146, 0.4506,
0.4389


 7.4919, 0.5220,
0.4780


 61.9776, 0.4388,
0.4307

 3.7716, 0.5307,
0.4693

 82.7424, 0.4286,
0.4234

 1.5466, 0.5450,
0.4550

 107.6932, 0.4198,
0.4168


 0.3212, 0.6310,
0.3690


 137.2146, 0.4122,
0.4111


 0.0000, 0.0000,
0.0000

 171.6908, 0.4055,


0.4059


 211.5064, 0.3996,
0.4013


 20.9562, 0.4799,
0.4572


 20.9562, 0.4799,
0.4572


 20.9574, 0.4799,
0.4572

 22.1313, 0.4684,
0.4574

 23.3931, 0.4546,
0.4538

 24.7570, 0.4382,
0.4456

 26.2295, 0.4200,
0.4333

 27.8164, 0.4008,
0.4181

■ 29.5227, 0.3814,
0.4010

■ 31.3532, 0.3625,
0.3828

■ 33.3120, 0.3446,
0.3644

■ 35.4034, 0.3280,
0.3463

Harmonies

Analogous

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



20.9562, 0.5228, 0.3824



20.9562, 0.4799, 0.4572



20.9562, 0.3971, 0.5202

Triad

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



20.9562, 0.4799, 0.4572



20.9562, 0.1544, 0.3050



20.9562, 0.2945, 0.2007

Complementary

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



20.9562, 0.4799, 0.4572



4.7507, 0.1605, 0.0976

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.



20.9562, 0.2064, 0.1770



20.9562, 0.4799, 0.4572



20.9562, 0.1382, 0.2198

Square

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



20.9562, 0.4799, 0.4572



20.9562, 0.2099, 0.4302



20.9562, 0.1554, 0.1812



20.9562, 0.4071, 0.2483

Rectangle

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



20.9562, 0.4799, 0.4572



20.9562, 0.3322, 0.5327



20.9562, 0.1554, 0.1812



20.9562, 0.2612, 0.1899

Sweetspot

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



20.9574, 0.4799, 0.4572



55.9581, 0.3636, 0.3838



8.2264, 0.5742, 0.2937



11.9430, 0.3710, 0.3911



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.



20.9574, 0.4799, 0.4572



37.1669, 0.4812, 0.4561



31.8199, 0.3847, 0.5328



7.8946, 0.3268, 0.3450



15.9405, 0.4791, 0.4578



0.4090, 0.4532, 0.4783

Inverse Universe

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



4.7507, 0.1605, 0.0976



8.2051, 0.1597, 0.0947



3.0403, 0.1604, 0.0657



7.1734, 0.2987, 0.3125



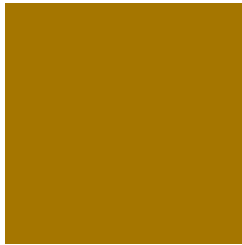
3.6694, 0.1609, 0.0993



0.1536, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 20.9562, 0.4799, 0.4572 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 20.9562, 0.4799, 0.4572 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 20.9562, 0.4799, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 20.9562, 0.4799, 0.4572.



This preview shows how white text looks on a background with the Yxy color 20.9562, 0.4799, 0.4572.

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

20.9562, 0.4799, 0.4572

Protanopia

21.0403, 0.4375, 0.4852

Deuteranopia

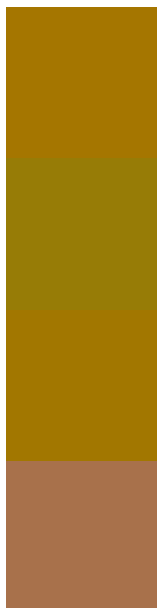
20.9065, 0.4710, 0.4642



Tritanopia

21.0059, 0.3836, 0.3169

Trichromacy



Original Color

20.9562, 0.4799, 0.4572

Protanomaly

21.0078, 0.4527, 0.4755

Deuteranomaly

20.8750, 0.4749, 0.4611

Tritanomaly

20.6431, 0.4369, 0.3867

Monochromacy



Original Color

20.9562, 0.4799, 0.4572

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9497, 0.3879, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9562, 0.4799, 0.4572 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(165, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 118, 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(165, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9562, 0.4799, 0.4572 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(165, 118, 0) }
```

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

```
.border{ border-color:rgb(165, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9562, 0.4799, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 118, 0) }
```

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

```
.background{ background-color: rgb(165,  
118, 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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