

Converting Colors

$Y_{xy}(21.9746, 0.4799, 0.4314)$

Have a look what the booklet for
Yxy(21.9746, 0.4799, 0.4314)
contains.

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Color

Yxy(22.0740, 0.4799, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	B07523
RGB	176, 117, 35
RGB Percent	69%, 46%, 14%
CMY	0.3097, 0.5412, 0.8627
CMYK	0.00, 0.34, 0.80, 0.31
HSL	35°, 67%, 41%
HSV	35°, 80%, 69%
XYZ	24.5728, 22.0740, 4.5571
YIQ	125.2930, 61.4860, -12.9940

Conversions

Conversions Part 2

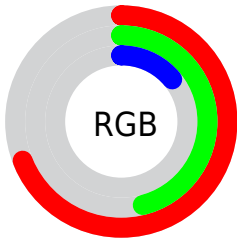
Format	Color
R_{YB}	136, 176, 35
Decimal	11564323
CIE Lab	54.11, 16.35, 51.43
CIE LCh	54, 53.967, 72.370
Yxy	22.0740, 0.4799, 0.4311
Android (android.graphics.Color)	4289754403 (0xFFB07523)
YUV	125.2930, -44.5144, 44.4700
Hunter-Lab	46.9830, 11.1378, 27.1372

Details

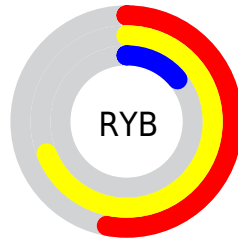
The Yxy color **22.0740, 0.4799, 0.4311** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.5068, 0.1880, 0.1725**, and the grayscale version is **20.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8807, 0.4484, 0.4166**, and **8.1078, 0.5115, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **20.3454, 0.4997, 0.4317**, and if you desaturate by 10%, it is **23.9924, 0.4575, 0.4255**.

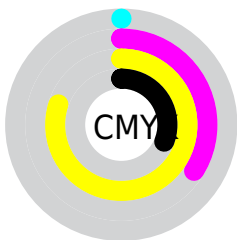
Distribution



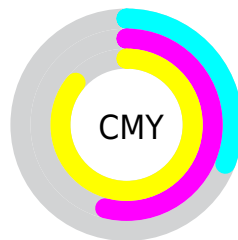
- Red (69%)
- Green (46%)
- Blue (14%)



- Red (53%)
- Yellow (69%)
- Blue (14%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0740, 0.4799, 0.4311 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 22.0740, 0.4799, 0.4311 by changing the saturation by 10% instead.


 22.0740, 0.4799,
0.4311


 22.0740, 0.4799,
0.4311


262.9325, 0.3912,
0.3837


 13.9113, 0.5006,
0.4384

 46.8683, 0.4479,
0.4164

 8.0590, 0.5265,
0.4450


 64.2686, 0.4356,
0.4099


 4.1327, 0.5548,
0.4452

 85.5170, 0.4253,
0.4042

 1.7481, 0.5757,
0.4243

 110.9977, 0.4164,
0.3991

 0.4545, 0.6464,
0.3536

 141.0952, 0.4088,
0.3946

 0.0000, 0.0000,
0.0000

 176.1939, 0.4021,

0.3905

216.6782, 0.3963,
0.3869

■ 22.0740, 0.4799,
0.4311

■ 22.0740, 0.4799,
0.4311

■ 20.3454, 0.4997,
0.4317

■ 23.9924, 0.4575,
0.4255

■ 18.8008, 0.5166,
0.4280

■ 26.1073, 0.4338,
0.4159

■ 28.4284, 0.4101,
0.4033

■ 30.9638, 0.3872,
0.3889

■ 33.7208, 0.3658,
0.3736

■ 36.7064, 0.3462,
0.3583

■ 39.9270, 0.3286,
0.3434

■ 43.3890, 0.3129,
0.3291

■ 47.0980, 0.2989,
0.3158

Harmonies

Analogous

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



22.0740, 0.5012, 0.3636



22.0740, 0.4799, 0.4311



22.0740, 0.4143, 0.4900

Triad

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



22.0740, 0.4799, 0.4311



22.0740, 0.1803, 0.3371



22.0740, 0.2729, 0.2042

Complementary

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



22.0740, 0.4799, 0.4311



11.5068, 0.1880, 0.1725

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.



22.0740, 0.2011, 0.1891



22.0740, 0.4799, 0.4311



22.0740, 0.1547, 0.2488

Square

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



22.0740, 0.4799, 0.4311



22.0740, 0.2417, 0.4450



22.0740, 0.1622, 0.2017



22.0740, 0.3700, 0.2430

Rectangle

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



22.0740, 0.4799, 0.4311



22.0740, 0.3576, 0.5086



22.0740, 0.1622, 0.2017



22.0740, 0.2454, 0.1963

Sweetspot

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



22.0751, 0.4799, 0.4311



64.1686, 0.3544, 0.3649



11.2825, 0.4678, 0.2559



13.5014, 0.3613, 0.3702



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.



22.0751, 0.4799, 0.4311



34.7283, 0.5123, 0.4287



39.3540, 0.4034, 0.5009



9.2984, 0.3273, 0.3422



13.9088, 0.5153, 0.4290



0.5498, 0.4819, 0.4555

Inverse Universe

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



11.5068, 0.1880, 0.1725



15.1318, 0.1720, 0.1369



4.8835, 0.1699, 0.0874



8.7953, 0.2985, 0.3154



5.9723, 0.1707, 0.1344



0.3043, 0.1864, 0.1911

Previews

White Background



This preview shows how the Yxy color 22.0740, 0.4799, 0.4311 looks on a white background.

Color Contrast Check

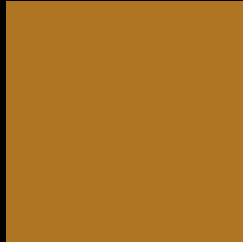
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0740, 0.4799, 0.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

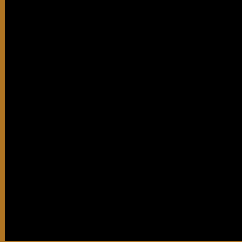
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0740, 0.4799, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 22.0740, 0.4799, 0.4311.



This preview shows how white text looks on a background with the Yxy color 22.0740, 0.4799, 0.4311.

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

22.0740, 0.4799, 0.4311

Protanopia

22.2162, 0.4253, 0.4681

Deuteranopia

22.0567, 0.4586, 0.4506



Tritanopia

22.0454, 0.3996, 0.3176

Trichromacy



Original Color

22.0740, 0.4799, 0.4311

Protanomaly

21.9689, 0.4458, 0.4540

Deuteranomaly

22.1094, 0.4666, 0.4435

Tritanomaly

21.8602, 0.4364, 0.3654

Monochromacy



Original Color

22.0740, 0.4799, 0.4311

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6211, 0.3773, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0740, 0.4799, 0.4311 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(176, 117, 35)` looks like.

```
.text, #text, p{  
    color:rgb(176, 117, 35)  
}
```

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(176, 117, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 35) }
```

Border

The CSS property to change the border of an element to Yxy 22.0740, 0.4799, 0.4311 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(176, 117, 35) }
```

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

```
.border{ border-color:rgb(176, 117, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 117, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 117, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 117, 35);  
box-shadow:4px 4px 4px 4px rgb(176, 117,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0740, 0.4799, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 117, 35) }
```

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

```
.background{ background-color: rgb(176,  
117, 35) }
```

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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