

Converting Colors

$Y_{xy}(22.7585, 0.4581, 0.4272)$

Have a look what the booklet for
Yxy(22.7585, 0.4581, 0.4272)
contains.

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Color

Yxy(22.9200, 0.4579, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	AC7A32
RGB	172, 122, 50
RGB Percent	67%, 48%, 20%
CMY	0.3254, 0.5216, 0.8040
CMYK	0.00, 0.29, 0.71, 0.33
HSL	35°, 55%, 44%
HSV	35°, 71%, 67%
XYZ	24.5499, 22.9200, 6.1442
YIQ	128.7420, 52.9120, -11.7920

Conversions

Conversions Part 2

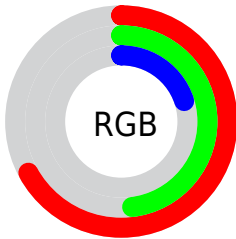
Format	Color
RYB	135, 172, 50
Decimal	11303474
CIELab	54.99, 12.43, 45.68
CIELCh	55, 47.346, 74.774
Yxy	22.9200, 0.4579, 0.4275
Android (android.graphics.Color)	4289493554 (0xFFAC7A32)
YUV	128.7420, -38.8198, 37.9373
Hunter-Lab	47.8748, 7.7525, 25.9032

Details

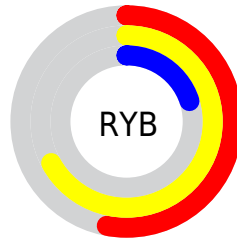
The Yxy color **22.9200, 0.4579, 0.4275** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.7672, 0.1991, 0.1909**, and the grayscale version is **21.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1811, 0.4297, 0.4108**, and **8.4099, 0.4978, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **21.1309, 0.4797, 0.4329**, and if you desaturate by 10%, it is **24.8927, 0.4347, 0.4179**.

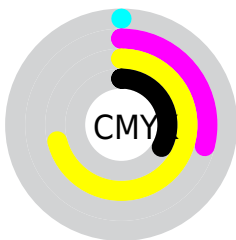
Distribution



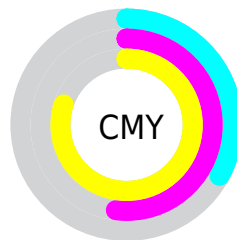
- Red (67%)
- Green (48%)
- Blue (20%)



- Red (53%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (29%)
- Yellow (71%)
- Black (33%)




- Cyan (33%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9200, 0.4579, 0.4275 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 22.9200, 0.4579, 0.4275 by changing the saturation by 10% instead.


 22.9200, 0.4579,
0.4275


 22.9200, 0.4579,
0.4275


267.3138, 0.3801,
0.3792


 14.5344, 0.4770,
0.4369


 48.2619, 0.4293,
0.4113

 8.4933, 0.5001,
0.4461


 65.9871, 0.4185,
0.4047


 4.4122, 0.5382,
0.4618

 87.5943, 0.4095,
0.3989

 1.9067, 0.5538,
0.4462

 113.4678, 0.4018,
0.3939

 0.5524, 0.6000,
0.4000

 143.9922, 0.3952,
0.3895

 0.0000, 0.0000,
0.0000

 179.5517, 0.3895,

0.3856

220.5308, 0.3845,
0.3822

■ 22.9200, 0.4579,
0.4275

■ 22.9200, 0.4579,
0.4275

■ 21.1309, 0.4797,
0.4329

■ 24.8927, 0.4347,
0.4179

■ 19.5127, 0.4988,
0.4334

■ 27.0538, 0.4113,
0.4053

■ 18.1812, 0.5139,
0.4302

■ 29.4119, 0.3886,
0.3909

■ 31.9737, 0.3672,
0.3755

■ 34.7456, 0.3476,
0.3600

■ 37.7338, 0.3299,
0.3448

■ 40.9438, 0.3141,
0.3303

■ 44.3813, 0.3001,
0.3167

■ 48.0514, 0.2877,
0.3041

Harmonies

Analogous

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



22.9200, 0.4779, 0.3678



22.9200, 0.4579, 0.4275



22.9200, 0.3993, 0.4741

Triad

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



22.9200, 0.4579, 0.4275



22.9200, 0.1930, 0.3302



22.9200, 0.2848, 0.2197

Complementary

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



22.9200, 0.4579, 0.4275



12.7672, 0.1991, 0.1909

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.



22.9200, 0.2182, 0.2044



22.9200, 0.4579, 0.4275



22.9200, 0.1713, 0.2555

Square

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



22.9200, 0.4579, 0.4275



22.9200, 0.2464, 0.4211



22.9200, 0.1801, 0.2146



22.9200, 0.3701, 0.2565

Rectangle

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



22.9200, 0.4579, 0.4275



22.9200, 0.3487, 0.4840



22.9200, 0.1801, 0.2146



22.9200, 0.2597, 0.2120

Sweetspot

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



22.9211, 0.4579, 0.4275



62.8019, 0.3484, 0.3606



11.9867, 0.4457, 0.2607



13.3506, 0.3535, 0.3647



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.9211, 0.4579, 0.4275



36.6557, 0.4907, 0.4338



37.4041, 0.3961, 0.4906



8.7714, 0.3272, 0.3424



13.6379, 0.5127, 0.4311



0.4836, 0.4776, 0.4590

Inverse Universe

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



12.7672, 0.1991, 0.1909



17.2872, 0.1807, 0.1567



6.2228, 0.1855, 0.1104



8.2761, 0.2986, 0.3153



5.6241, 0.1700, 0.1320



0.2658, 0.1873, 0.1943

Previews

White Background



This preview shows how the Yxy color 22.9200, 0.4579, 0.4275 looks on a white background.

Color Contrast Check

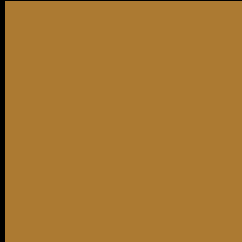
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9200, 0.4579, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

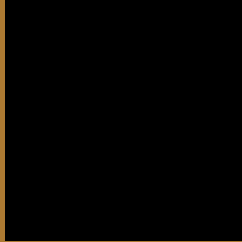
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9200, 0.4579, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 22.9200, 0.4579, 0.4275.



This preview shows how white text looks on a background with the Yxy color 22.9200, 0.4579, 0.4275.

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

22.9200, 0.4579, 0.4275

Protanopia

22.9626, 0.4137, 0.4539

Deuteranopia

22.8883, 0.4468, 0.4369



Tritanopia

22.8118, 0.3839, 0.3159

Trichromacy



Original Color

22.9200, 0.4579, 0.4275

Protanomaly

22.7542, 0.4300, 0.4437

Deuteranomaly

22.9619, 0.4516, 0.4337

Tritanomaly

22.6811, 0.4158, 0.3606

Monochromacy



Original Color

22.9200, 0.4579, 0.4275

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8616, 0.3668, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9200, 0.4579, 0.4275 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(172, 122, 50)` looks like.

```
.text, #text, p{  
    color:rgb(172, 122, 50)  
}
```

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(172, 122, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 122, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.9200, 0.4579, 0.4275 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(172, 122, 50) }
```

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

```
.border{ border-color:rgb(172, 122, 50) }
```

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

Here you see how a box with a 4 pixel rgb(172, 122, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 122, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 122, 50);  
box-shadow:4px 4px 4px 4px rgb(172, 122,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9200, 0.4579, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 122, 50) }
```

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

```
.background{ background-color: rgb(172,  
122, 50) }
```

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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