

Converting Colors

$Y_{xy}(21.8648, 0.4884, 0.4838)$

Have a look what the booklet for
Yxy(21.8648, 0.4884, 0.4838)
contains.

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Color

Yxy(22.0584, 0.4711, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	A47B00
RGB	164, 123, 0
RGB Percent	64%, 48%, 0%
CMY	0.3569, 0.5176, 0.9996
CMYK	0.00, 0.25, 1.00, 0.36
HSL	45°, 100%, 32%
HSV	45°, 100%, 64%
XYZ	22.3911, 22.0584, 3.0799
YIQ	121.2370, 63.9190, -29.5610

Conversions

Conversions Part 2

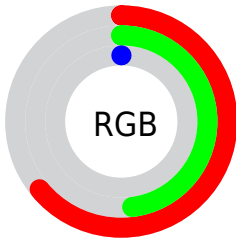
Format	Color
RYB	55, 164, 0
Decimal	10779392
CIELab	54.09, 6.70, 59.90
CIELCh	54, 60.278, 83.622
Yxy	22.0584, 0.4711, 0.4641
Android (android.graphics.Color)	4288969472 (0xFFA47B00)
YUV	121.2370, -59.7698, 37.5032
Hunter-Lab	46.9664, 2.9083, 28.9884

Details

The Yxy color **22.0584, 0.4711, 0.4641** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.2709, 0.1584, 0.0903**, and the grayscale version is **19.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7532, 0.4438, 0.4436**, and **8.1580, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **22.0537, 0.4711, 0.4641**, and if you desaturate by 10%, it is **23.1369, 0.4610, 0.4636**.

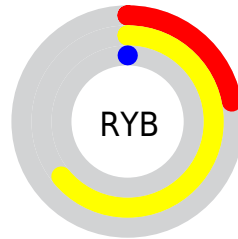
Distribution



Red (64%)

Green (48%)

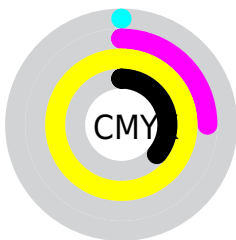
Blue (0%)



Red (22%)

Yellow (64%)

Blue (0%)

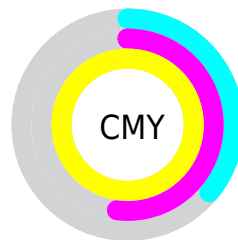


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0584, 0.4711, 0.4641 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 22.0584, 0.4711, 0.4641 by changing the saturation by 10% instead.

■ 22.0584, 0.4711,
0.4641

■ 22.0584, 0.4711,
0.4641

262.8511, 0.3912,
0.3998

■ 13.8998, 0.4868,
0.4744

■ 46.8425, 0.4441,
0.4439

■ 8.0510, 0.5102,
0.4898

■ 64.2368, 0.4331,
0.4351

■ 4.1276, 0.5158,
0.4842

■ 85.4785, 0.4236,
0.4273

■ 1.7452, 0.5250,
0.4750

■ 110.9519, 0.4153,
0.4204

■ 0.4527, 0.5674,
0.4326


■ 141.0415, 0.4081,
0.4143


■ 0.0000, 0.0000,
0.0000


■ 176.1316, 0.4017,


0.4089


 216.6067, 0.3962,
0.4041


 22.0584, 0.4711,
0.4641


 22.0584, 0.4711,
0.4641


 22.0537, 0.4711,
0.4641

 23.1369, 0.4610,
0.4636

 24.2891, 0.4486,
0.4593

 25.5296, 0.4336,
0.4505

 26.8646, 0.4166,
0.4377

 28.2996, 0.3985,
0.4219

■ 29.8393, 0.3800,
0.4040

■ 31.4882, 0.3617,
0.3851

■ 33.2501, 0.3442,
0.3659

■ 35.1289, 0.3278,
0.3470

Harmonies

Analogous

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



22.0584, 0.5188, 0.3902



22.0584, 0.4711, 0.4641



22.0584, 0.3866, 0.5223

Triad

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



22.0584, 0.4711, 0.4641



22.0584, 0.1526, 0.2942



22.0584, 0.3061, 0.2060

Complementary

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



22.0584, 0.4711, 0.4641



4.2709, 0.1584, 0.0903

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.



22.0584, 0.2151, 0.1797



22.0584, 0.4711, 0.4641



22.0584, 0.1401, 0.2151

Square

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



22.0584, 0.4711, 0.4641



22.0584, 0.2034, 0.4154



22.0584, 0.1606, 0.1808



22.0584, 0.4177, 0.2554

Rectangle

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



22.0584, 0.4711, 0.4641



22.0584, 0.3219, 0.5281



22.0584, 0.1606, 0.1808



22.0584, 0.2720, 0.1944

Sweetspot

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



22.0595, 0.4711, 0.4641



56.9758, 0.3628, 0.3863



8.0733, 0.5853, 0.2999



12.1908, 0.3701, 0.3939



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.



22.0595, 0.4711, 0.4641



39.6927, 0.4723, 0.4632



30.9623, 0.3790, 0.5373



7.9359, 0.3267, 0.3458



16.9910, 0.4705, 0.4646



0.4250, 0.4486, 0.4820

Inverse Universe

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



4.2709, 0.1584, 0.0903



7.4622, 0.1576, 0.0874



3.1002, 0.1636, 0.0675



7.1344, 0.2987, 0.3117



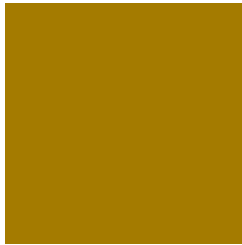
3.3376, 0.1588, 0.0917



0.1401, 0.1775, 0.1590

Previews

White Background



This preview shows how the Yxy color 22.0584, 0.4711, 0.4641 looks on a white background.

Color Contrast Check

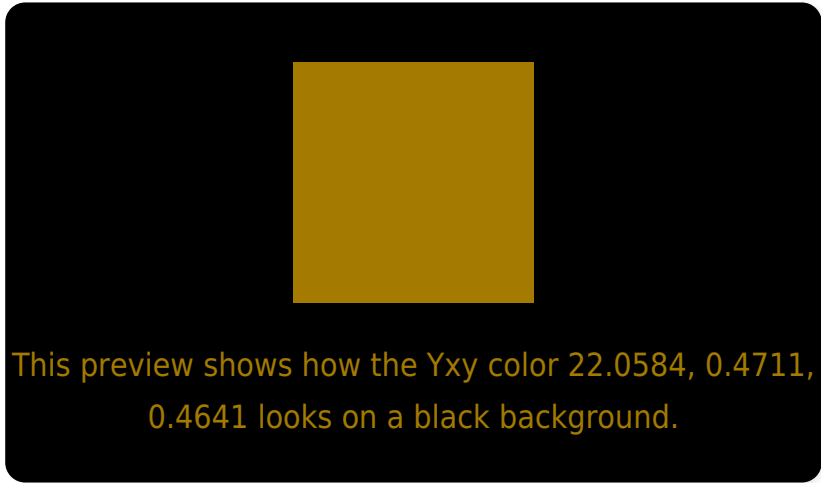
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 22.0584, 0.4711, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 22.0584, 0.4711, 0.4641.



This preview shows how white text looks on a background with the Yxy color 22.0584, 0.4711, 0.4641.

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

22.0584, 0.4711, 0.4641

Protanopia

22.0960, 0.4375, 0.4861

Deuteranopia

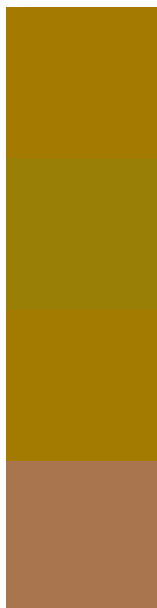
22.0628, 0.4706, 0.4635



Tritanopia

22.0107, 0.3750, 0.3154

Trichromacy



Original Color

22.0584, 0.4711, 0.4641

Protanomaly

21.9642, 0.4509, 0.4771

Deuteranomaly

22.0606, 0.4709, 0.4638

Tritanomaly

21.5975, 0.4296, 0.3884

Monochromacy



Original Color

22.0584, 0.4711, 0.4641

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.7733, 0.3859, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0584, 0.4711, 0.4641 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(164, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0584, 0.4711, 0.4641 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(164, 123, 0) }
```

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

```
.border{ border-color:rgb(164, 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(164, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0584, 0.4711, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 0) }
```

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

```
.background{ background-color: rgb(164,  
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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