

Converting Colors

$Y_{xy}(21.9748, 0.5118, 0.4318)$

Have a look what the booklet for
Yxy(21.9748, 0.5118, 0.4318)
contains.

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Color

Yxy(22.0274, 0.5112, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	BA7000
RGB	186, 112, 0
RGB Percent	73%, 44%, 0%
CMY	0.2705, 0.5608, 1.0000
CMYK	0.00, 0.40, 1.00, 0.27
HSL	36°, 100%, 36%
HSV	36°, 100%, 73%
XYZ	26.0477, 22.0274, 2.8789
YIQ	121.3580, 80.0560, -19.1440

Conversions

Conversions Part 2

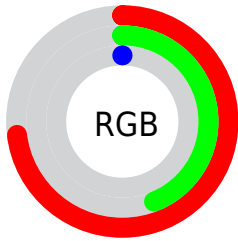
Format	Color
R _Y B	123, 186, 0
Decimal	12218368
CIE Lab	54.06, 22.81, 61.20
CIE LCh	54, 65.315, 69.562
Yxy	22.0274, 0.5112, 0.4323
Android (android.graphics.Color)	4290408448 (0xFFBA7000)
YUV	121.3580, -59.8295, 56.6910
Hunter-Lab	46.9334, 16.9328, 29.2165

Details

The Yxy color **22.0274, 0.5112, 0.4323** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.4484, 0.1682, 0.1256**, and the grayscale version is **19.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9007, 0.4760, 0.4214**, and **8.1788, 0.5350, 0.4134** is the 20% darker color. If you saturate the color by 10%, you get **22.0278, 0.5112, 0.4323**, and if you desaturate by 10%, it is **23.7756, 0.4952, 0.4358**.

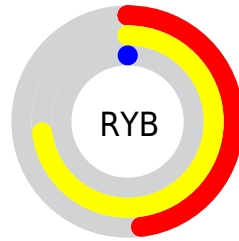
Distribution



Red (73%)

Green (44%)

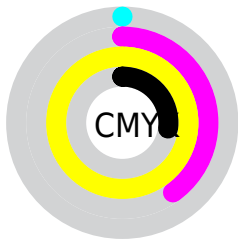
Blue (0%)



Red (48%)

Yellow (73%)

Blue (0%)

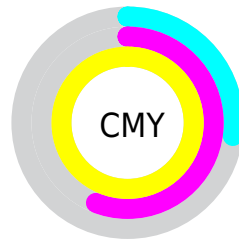


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0274, 0.5112, 0.4323 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 22.0274, 0.5112, 0.4323 by changing the saturation by 10% instead.


 22.0274, 0.5112,
0.4323


 22.0274, 0.5112,
0.4323


262.6893, 0.4092,
0.3905


 13.8770, 0.5326,
0.4350


 46.7913, 0.4759,
0.4219


 8.0352, 0.5623,
0.4377


 64.1736, 0.4619,
0.4163


 4.1175, 0.5797,
0.4203

 85.4020, 0.4498,
0.4111

 1.7395, 0.6072,
0.3928

 110.8609, 0.4394,
0.4061

 0.4490, 0.6883,
0.3117

 140.9347, 0.4303,
0.4016


 0.0000, 0.0000,
0.0000

 176.0077, 0.4223,

0.3976


 216.4645, 0.4153,
0.3938

 22.0274, 0.5112,
0.4323


 22.0274, 0.5112,
0.4323


 22.0278, 0.5112,
0.4323

 23.7756, 0.4952,
0.4358

 25.7036, 0.4764,
0.4349

 27.8316, 0.4549,
0.4290

 30.1705, 0.4321,
0.4189

 32.7299, 0.4089,
0.4058

■ 35.5184, 0.3865,
0.3909

■ 38.5440, 0.3654,
0.3751

■ 41.8142, 0.3460,
0.3593

■ 45.3359, 0.3284,
0.3438

Harmonies

Analogous

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



22.0274, 0.5360, 0.3551



22.0274, 0.5112, 0.4323



22.0274, 0.4340, 0.5096

Triad

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



22.0274, 0.5112, 0.4323



22.0274, 0.1611, 0.3482



22.0274, 0.2547, 0.1819

Complementary

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



22.0274, 0.5112, 0.4323



8.4484, 0.1682, 0.1256

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.



22.0274, 0.1767, 0.1672



22.0274, 0.5112, 0.4323



22.0274, 0.1311, 0.2383

Square

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



22.0274, 0.5112, 0.4323



22.0274, 0.2335, 0.4847



22.0274, 0.1372, 0.1826



22.0274, 0.3688, 0.2231

Rectangle

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



22.0274, 0.5112, 0.4323



22.0274, 0.3684, 0.5437



22.0274, 0.1372, 0.1826



22.0274, 0.2241, 0.1739

Sweetspot

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



22.0286, 0.5112, 0.4323



69.5612, 0.3664, 0.3759



10.9419, 0.5379, 0.2737



14.7972, 0.3752, 0.3827



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.0286, 0.5112, 0.4323



39.4305, 0.5131, 0.4308



43.3877, 0.4019, 0.5191



9.8872, 0.3273, 0.3427



14.9657, 0.5097, 0.4335



0.6450, 0.4806, 0.4566

Inverse Universe

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



8.4484, 0.1682, 0.1256



14.8663, 0.1674, 0.1227



3.6808, 0.1534, 0.0619



9.2903, 0.2985, 0.3149



5.8199, 0.1689, 0.1280



0.3272, 0.1837, 0.1811

Previews

White Background



This preview shows how the Yxy color 22.0274, 0.5112, 0.4323 looks on a white background.

Color Contrast Check

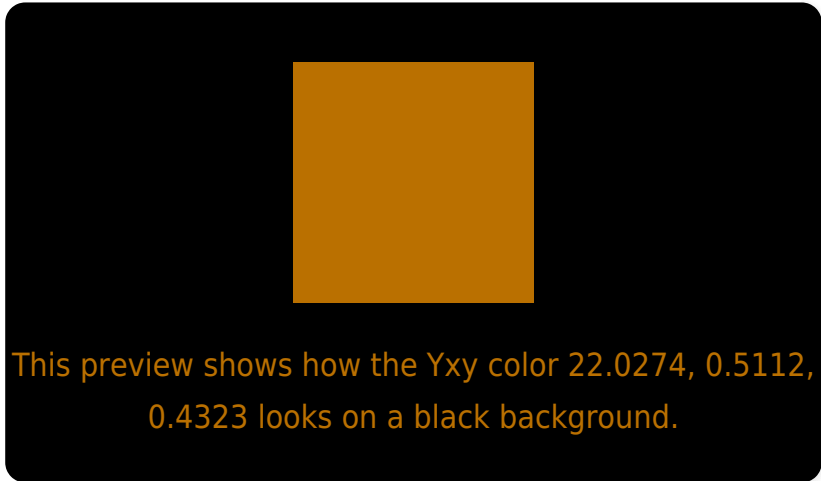
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0274, 0.5112, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 22.0274, 0.5112, 0.4323.



This preview shows how white text looks on a background with the Yxy color 22.0274, 0.5112, 0.4323.

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

22.0274, 0.5112, 0.4323

Protanopia

22.1080, 0.4362, 0.4842

Deuteranopia

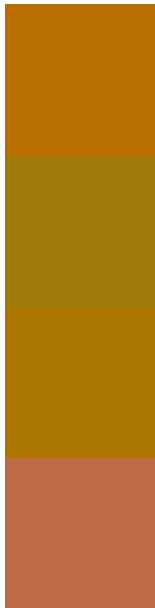
22.0584, 0.4711, 0.4641



Tritanopia

22.0176, 0.4208, 0.3183

Trichromacy



Original Color

22.0274, 0.5112, 0.4323

Protanomaly

21.7627, 0.4654, 0.4640

Deuteranomaly

21.9643, 0.4861, 0.4522

Tritanomaly

21.7891, 0.4730, 0.3764

Monochromacy



Original Color

22.0274, 0.5112, 0.4323

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5124, 0.3998, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0274, 0.5112, 0.4323 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(186, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 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(186, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0274, 0.5112, 0.4323 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(186, 112, 0) }
```

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

```
.border{ border-color:rgb(186, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0274, 0.5112, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 0) }
```

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

```
.background{ background-color: rgb(186,  
112, 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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