

Converting Colors

$Yxy(23.0164, 0.5140, 0.4301)$

Have a look what the booklet for
Yxy(23.0164, 0.5140, 0.4301)
contains.

Yxy(22.8866, 0.5144, 0.4298)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8866, 0.5144, 0.4298)

Conversions

Conversions Part 1

Format	Color
Hex	BF7100
RGB	191, 113, 0
RGB Percent	75%, 44%, 0%
CMY	0.2510, 0.5568, 1.0000
CMYK	0.00, 0.41, 1.00, 0.25
HSL	35°, 100%, 37%
HSV	35°, 100%, 75%
XYZ	27.3915, 22.8866, 2.9713
YIQ	123.4400, 82.7610, -18.6070

Conversions

Conversions Part 2

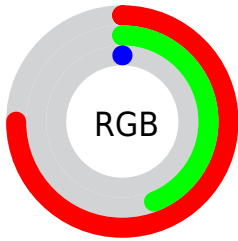
Format	Color
R_{YB}	132, 191, 0
Decimal	12546304
CIE Lab	54.96, 24.42, 62.12
CIE LCh	55, 66.752, 68.538
Yxy	22.8866, 0.5144, 0.4298
Android (android.graphics.Color)	4290736384 (0xFFBF7100)
YUV	123.4400, -60.8559, 59.2501
Hunter-Lab	47.8399, 18.4830, 29.8055

Details

The Yxy color **22.8866, 0.5144, 0.4298** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.2106, 0.1690, 0.1283**, and the grayscale version is **20.1463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1863, 0.4791, 0.4201**, and **8.4921, 0.5398, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **22.8880, 0.5144, 0.4298**, and if you desaturate by 10%, it is **24.7514, 0.4980, 0.4337**.

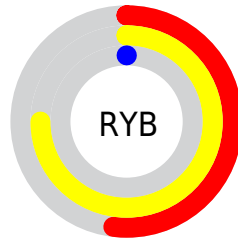
Distribution



Red (75%)

Green (44%)

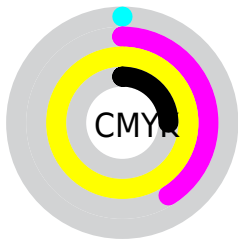
Blue (0%)



Red (52%)

Yellow (75%)

Blue (0%)

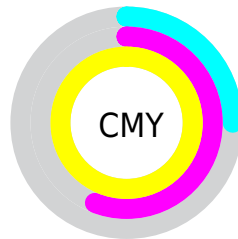


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8866, 0.5144, 0.4298 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 22.8866, 0.5144, 0.4298 by changing the saturation by 10% instead.


 22.8866, 0.5144,
0.4298


 22.8866, 0.5144,
0.4298

267.1420, 0.4113,
0.3901


 14.5098, 0.5360,
0.4319


 48.2071, 0.4789,
0.4203


 8.4761, 0.5660,
0.4340

 65.9195, 0.4647,
0.4151


 4.4011, 0.5837,
0.4163

 87.5126, 0.4525,
0.4100

 1.9003, 0.6115,
0.3885

 113.3708, 0.4419,
0.4053

 0.5486, 0.6768,
0.3232

 143.8784, 0.4328,
0.4010

 0.0000, 1.0000,
0.0000

 179.4199, 0.4247,

 0.0000, 0.0000,

0.3970

0.0000

■ 220.3796, 0.4176,
0.3934

■ 22.8866, 0.5144,
0.4298

■ 22.8866, 0.5144,
0.4298

■ 22.8880, 0.5144,
0.4298

■ 24.7514, 0.4980,
0.4337

■ 26.8145, 0.4787,
0.4331

■ 29.0976, 0.4567,
0.4274

■ 31.6127, 0.4334,
0.4176

■ 34.3700, 0.4098,
0.4047

■ 37.3793, 0.3871,
0.3900

■ 40.6491, 0.3657,
0.3745

■ 44.1878, 0.3462,
0.3588

■ 48.0030, 0.3285,
0.3435

Harmonies

Analogous

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



22.8866, 0.5373, 0.3523



22.8866, 0.5144, 0.4298



22.8866, 0.4377, 0.5083

Triad

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



22.8866, 0.5144, 0.4298



22.8866, 0.1617, 0.3529



22.8866, 0.2508, 0.1800

Complementary

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



22.8866, 0.5144, 0.4298



9.2106, 0.1690, 0.1283

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.



22.8866, 0.1738, 0.1661



22.8866, 0.5144, 0.4298



22.8866, 0.1303, 0.2403

Square

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



22.8866, 0.5144, 0.4298



22.8866, 0.2359, 0.4904



22.8866, 0.1353, 0.1827



22.8866, 0.3650, 0.2205

Rectangle

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



22.8866, 0.5144, 0.4298



22.8866, 0.3719, 0.5444



22.8866, 0.1353, 0.1827



22.8866, 0.2205, 0.1723

Sweetspot

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



22.8880, 0.5144, 0.4298



72.5105, 0.3667, 0.3752



11.6500, 0.5315, 0.2702



15.3631, 0.3757, 0.3819



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



22.8880, 0.5144, 0.4298



40.5005, 0.5162, 0.4283



46.3875, 0.4048, 0.5168



10.4492, 0.3274, 0.3426



15.2025, 0.5127, 0.4311



0.7211, 0.4847, 0.4533

Inverse Universe

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



9.2106, 0.1690, 0.1283



16.0464, 0.1682, 0.1256



3.8712, 0.1526, 0.0614



9.8480, 0.2984, 0.3151



6.2027, 0.1697, 0.1308



0.3720, 0.1832, 0.1795

Previews

White Background



This preview shows how the Yxy color 22.8866, 0.5144, 0.4298 looks on a white background.

Color Contrast Check

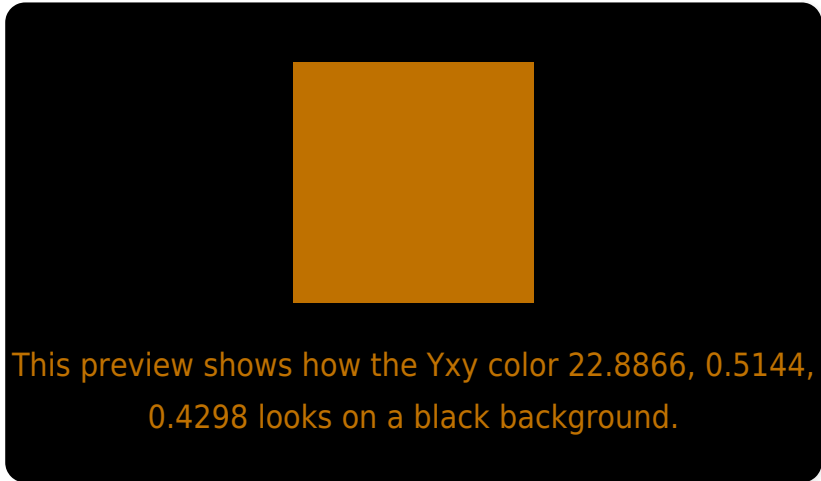
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8866, 0.5144, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 22.8866, 0.5144, 0.4298.



This preview shows how white text looks on a background with the Yxy color 22.8866, 0.5144, 0.4298.

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

22.8866, 0.5144, 0.4298

Protanopia

22.9266, 0.4370, 0.4832

Deuteranopia

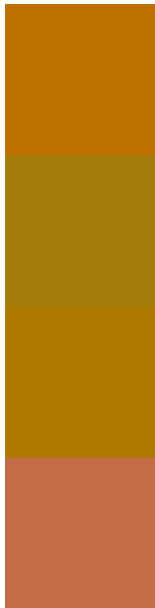
22.8827, 0.4716, 0.4637



Tritanopia

22.8975, 0.4249, 0.3186

Trichromacy



Original Color

22.8866, 0.5144, 0.4298

Protanomaly

22.5817, 0.4658, 0.4634

Deuteranomaly

22.9049, 0.4874, 0.4512

Tritanomaly

22.6623, 0.4763, 0.3750

Monochromacy



Original Color

22.8866, 0.5144, 0.4298

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0396, 0.4018, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8866, 0.5144, 0.4298 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(191, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 113, 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(191, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.8866, 0.5144, 0.4298 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(191, 113, 0) }
```

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

```
.border{ border-color:rgb(191, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8866, 0.5144, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 113, 0) }
```

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

```
.background{ background-color: rgb(191,  
113, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor