

Converting Colors

$Y_{xy}(23.0345, 0.4606, 0.4672)$

Have a look what the booklet for
Yxy(23.0345, 0.4606, 0.4672)
contains.

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Color

Yxy(22.9894, 0.4616, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	A37F0B
RGB	163, 127, 11
RGB Percent	64%, 50%, 4%
CMY	0.3607, 0.5020, 0.9568
CMYK	0.00, 0.22, 0.93, 0.36
HSL	46°, 87%, 34%
HSV	46°, 93%, 64%
XYZ	22.7577, 22.9894, 3.5547
YIQ	124.5400, 58.6920, -28.4440

Conversions

Conversions Part 2

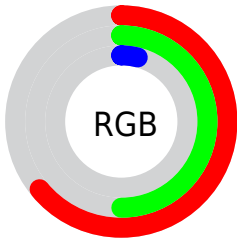
Format	Color
R _Y B	58, 163, 11
Decimal	10714891
CIE Lab	55.06, 4.18, 58.60
CIE LCh	55, 58.748, 85.919
Yxy	22.9894, 0.4616, 0.4663
Android (android.graphics.Color)	4288904971 (0xFFA37F0B)
YUV	124.5400, -55.9752, 33.7294
Hunter-Lab	47.9473, 0.8155, 29.1675

Details

The Yxy color **22.9894, 0.4616, 0.4663** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.7527, 0.1629, 0.0997**, and the grayscale version is **20.5239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2377, 0.4366, 0.4442**, and **8.5746, 0.4736, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **22.3009, 0.4680, 0.4666**, and if you desaturate by 10%, it is **24.0642, 0.4507, 0.4633**.

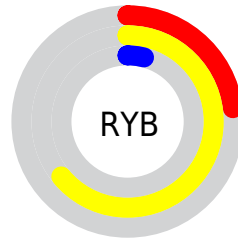
Distribution



Red (64%)

Green (50%)

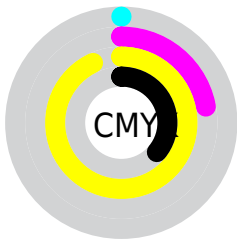
Blue (4%)



Red (23%)

Yellow (64%)

Blue (4%)

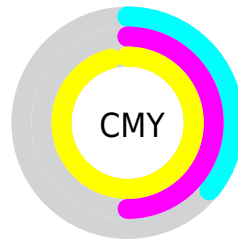


Cyan (0%)

Magenta (22%)

Yellow (93%)

Black (36%)



Cyan (36%)

Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9894, 0.4616, 0.4663 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 22.9894, 0.4616, 0.4663 by changing the saturation by 10% instead.


 22.9894, 0.4616,
0.4663


 22.9894, 0.4616,
0.4663


267.6705, 0.3867,
0.3996


 14.5857, 0.4765,
0.4781


 48.3759, 0.4362,
0.4446

 8.5291, 0.4976,
0.4948


 66.1275, 0.4259,
0.4355


 4.4353, 0.5048,
0.4952

 87.7639, 0.4170,
0.4274

 1.9199, 0.5104,
0.4896

 113.6693, 0.4093,
0.4204

 0.5603, 0.5311,
0.4689


 144.2283, 0.4025,
0.4142


 0.0000, 0.0000,
0.0000

 179.8253, 0.3966,


0.4088


 220.8446, 0.3914,
0.4039

 22.9894, 0.4616,
0.4663


 22.9894, 0.4616,
0.4663

 22.3009, 0.4680,
0.4666

 24.0642, 0.4507,
0.4633

 25.2185, 0.4370,
0.4557

 26.4600, 0.4210,
0.4439

 27.7941, 0.4036,
0.4288

 29.2256, 0.3855,
0.4113

■ 30.7589, 0.3673,
0.3924

■ 32.3979, 0.3497,
0.3729

■ 34.1465, 0.3330,
0.3536

■ 36.0080, 0.3175,
0.3349

Harmonies

Analogous

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



22.9894, 0.5104, 0.3953



22.9894, 0.4616, 0.4663



22.9894, 0.3785, 0.5178

Triad

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



22.9894, 0.4616, 0.4663



22.9894, 0.1554, 0.2886



22.9894, 0.3145, 0.2126

Complementary

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



22.9894, 0.4616, 0.4663



4.7527, 0.1629, 0.0997

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.



22.9894, 0.2240, 0.1851



22.9894, 0.4616, 0.4663



22.9894, 0.1455, 0.2153

Square

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



22.9894, 0.4616, 0.4663



22.9894, 0.2024, 0.4026



22.9894, 0.1680, 0.1842



22.9894, 0.4217, 0.2624

Rectangle

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



22.9894, 0.4616, 0.4663



22.9894, 0.3154, 0.5177



22.9894, 0.1680, 0.1842



22.9894, 0.2810, 0.2007

Sweetspot

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



22.9905, 0.4616, 0.4663



56.4322, 0.3589, 0.3832



8.2505, 0.5698, 0.2978



12.4064, 0.3662, 0.3912



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.



22.9905, 0.4616, 0.4663



39.6050, 0.4690, 0.4658



30.5884, 0.3774, 0.5339



7.9514, 0.3267, 0.3461



17.3987, 0.4674, 0.4671



0.4311, 0.4469, 0.4833

Inverse Universe

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



4.7527, 0.1629, 0.0997



7.0311, 0.1570, 0.0850



3.5381, 0.1722, 0.0762



7.1199, 0.2987, 0.3114



3.2251, 0.1581, 0.0891



0.1350, 0.1763, 0.1547

Previews

White Background



This preview shows how the Yxy color 22.9894, 0.4616, 0.4663 looks on a white background.

Color Contrast Check

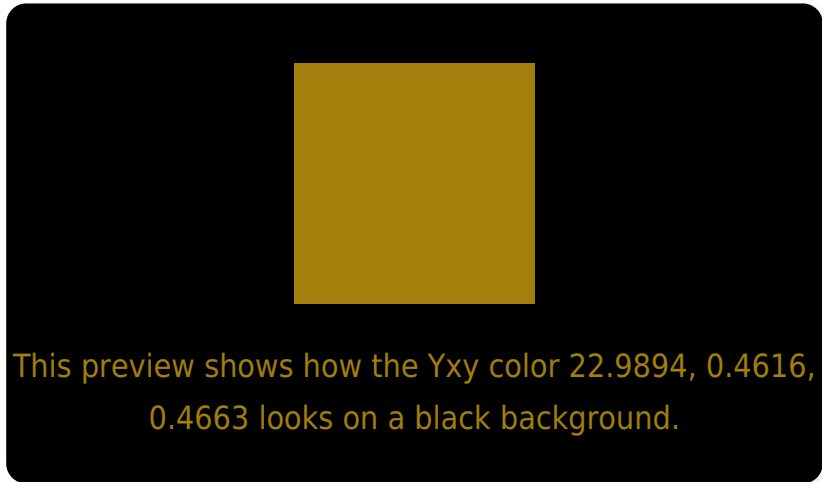
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9894, 0.4616, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 22.9894, 0.4616, 0.4663.

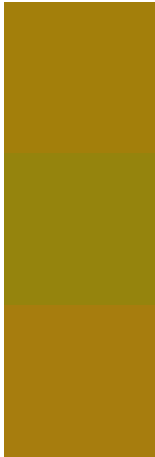


This preview shows how white text looks on a background with the Yxy color 22.9894, 0.4616, 0.4663.

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

22.9894, 0.4616, 0.4663

Protanopia

22.9211, 0.4375, 0.4841

Deuteranopia

22.9144, 0.4682, 0.4595



Tritanopia

22.9242, 0.3669, 0.3154

Trichromacy



Original Color

22.9894, 0.4616, 0.4663

Protanomaly

22.8618, 0.4465, 0.4776

Deuteranomaly

23.0578, 0.4659, 0.4619

Tritanomaly

22.5461, 0.4165, 0.3846

Monochromacy



Original Color

22.9894, 0.4616, 0.4663

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0508, 0.3778, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9894, 0.4616, 0.4663 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(163, 127, 11)` looks like.

```
.text, #text, p{  
    color:rgb(163, 127, 11)  
}
```

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(163, 127, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 127, 11) }
```

Border

The CSS property to change the border of an element to Yxy 22.9894, 0.4616, 0.4663 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(163, 127, 11) }
```

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

```
.border{ border-color:rgb(163, 127, 11) }
```

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

Here you see how a box with a 4 pixel rgb(163, 127, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 127, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 127, 11);  
box-shadow:4px 4px 4px 4px rgb(163, 127,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9894, 0.4616, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 127, 11) }
```

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

```
.background{ background-color: rgb(163,  
127, 11) }
```

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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