

Converting Colors

$Y_{xy}(24.1582, 0.4947, 0.4998)$

Have a look what the booklet for
Yxy(24.1582, 0.4947, 0.4998)
contains.

Yxy(24.5113, 0.4677, 0.4668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.5113, 0.4677, 0.4668)

Conversions

Conversions Part 1

Format	Color
Hex	AA8200
RGB	170, 130, 0
RGB Percent	67%, 51%, 0%
CMY	0.3334, 0.4902, 0.9996
CMYK	0.00, 0.24, 1.00, 0.33
HSL	46°, 100%, 33%
HSV	46°, 100%, 67%
XYZ	24.5586, 24.5113, 3.4394
YIQ	127.1400, 65.5700, -31.9500

Conversions

Conversions Part 2

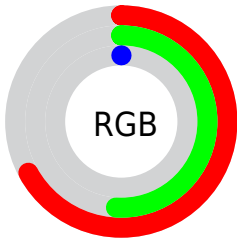
Format	Color
RYB	52, 170, 0
Decimal	11174400
CIELab	56.60, 5.55, 61.94
CIElCh	57, 62.192, 84.882
Yxy	24.5113, 0.4677, 0.4668
Android (android.graphics.Color)	4289364480 (0xFFAA8200)
YUV	127.1400, -62.6800, 37.5882
Hunter-Lab	49.5089, 1.9032, 30.5374

Details

The Yxy color **24.5113, 0.4677, 0.4668** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.4252, 0.1575, 0.0869**, and the grayscale version is **21.4813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1073, 0.4425, 0.4468**, and **9.3956, 0.4770, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **24.5061, 0.4677, 0.4668**, and if you desaturate by 10%, it is **25.6381, 0.4583, 0.4662**.

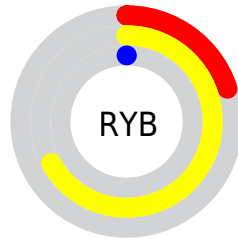
Distribution



Red (67%)

Green (51%)

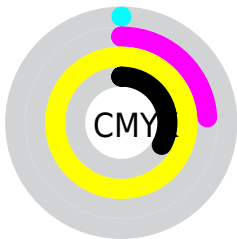
Blue (0%)



Red (20%)

Yellow (67%)

Blue (0%)

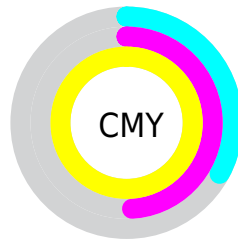


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5113, 0.4677, 0.4668 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 24.5113, 0.4677, 0.4668 by changing the saturation by 10% instead.


 24.5113, 0.4677,
0.4668


 24.5113, 0.4677,
0.4668


275.3954, 0.3912,
0.4019


 15.7133, 0.4824,
0.4774


 50.8633, 0.4422,
0.4464

 9.3215, 0.5033,
0.4925


 69.1861, 0.4317,
0.4375


 4.9515, 0.5096,
0.4904

 91.4527, 0.4226,
0.4297

 2.2188, 0.5163,
0.4837

 118.0474, 0.4146,
0.4228

 0.7302, 0.5318,
0.4682


 149.3546, 0.4076,
0.4166


 0.0000, 0.0000,
0.0000


 185.7587, 0.4015,


0.4111


 227.6442, 0.3960,
0.4063


 24.5113, 0.4677,
0.4668


 24.5113, 0.4677,
0.4668


 24.5061, 0.4677,
0.4668

 25.6381, 0.4583,
0.4662

 26.8403, 0.4465,
0.4617

 28.1333, 0.4321,
0.4527

 29.5238, 0.4156,
0.4398

 31.0177, 0.3978,
0.4237

■ 32.6201, 0.3796,
0.4055

■ 34.3357, 0.3616,
0.3863

■ 36.1688, 0.3442,
0.3667

■ 38.1234, 0.3278,
0.3474

Harmonies

Analogous

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



24.5113, 0.5172, 0.3933



24.5113, 0.4677, 0.4668



24.5113, 0.3826, 0.5231

Triad

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



24.5113, 0.4677, 0.4668



24.5113, 0.1518, 0.2900



24.5113, 0.3106, 0.2080

Complementary

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



24.5113, 0.4677, 0.4668



4.4252, 0.1575, 0.0869

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.



24.5113, 0.2185, 0.1807



24.5113, 0.4677, 0.4668



24.5113, 0.1408, 0.2132

Square

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



24.5113, 0.4677, 0.4668



24.5113, 0.2009, 0.4097



24.5113, 0.1627, 0.1806



24.5113, 0.4218, 0.2581

Rectangle

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



24.5113, 0.4677, 0.4668



24.5113, 0.3179, 0.5263



24.5113, 0.1627, 0.1806



24.5113, 0.2763, 0.1961

Sweetspot

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



24.5125, 0.4677, 0.4668



62.1158, 0.3626, 0.3875



8.7180, 0.5914, 0.3032



13.5632, 0.3700, 0.3954



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.



24.5125, 0.4677, 0.4668



44.1224, 0.4688, 0.4660



33.2964, 0.3760, 0.5396



8.4701, 0.3268, 0.3462



18.1184, 0.4671, 0.4673



0.5118, 0.4485, 0.4821

Inverse Universe

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



4.4252, 0.1575, 0.0869



7.7402, 0.1567, 0.0842



3.4083, 0.1650, 0.0683



7.5765, 0.2986, 0.3112



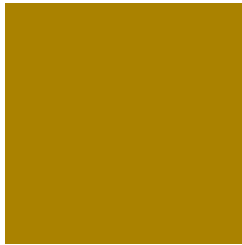
3.3255, 0.1579, 0.0885



0.1562, 0.1751, 0.1502

Previews

White Background



This preview shows how the Yxy color 24.5113, 0.4677, 0.4668 looks on a white background.

Color Contrast Check

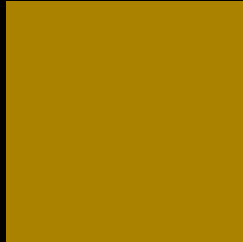
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5113, 0.4677, 0.4668 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 24.5113, 0.4677, 0.4668

Background



This preview shows how black text looks on a background with the Yxy color 24.5113, 0.4677, 0.4668.



This preview shows how white text looks on a background with the Yxy color 24.5113, 0.4677, 0.4668.

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

24.5113, 0.4677, 0.4668

Protanopia

24.4981, 0.4392, 0.4851

Deuteranopia

24.4865, 0.4698, 0.4620



Tritanopia

24.5166, 0.3707, 0.3158

Trichromacy



Original Color

24.5113, 0.4677, 0.4668

Protanomaly

24.5369, 0.4495, 0.4784

Deuteranomaly

24.3672, 0.4694, 0.4637

Tritanomaly

24.0385, 0.4250, 0.3896

Monochromacy



Original Color

24.5113, 0.4677, 0.4668

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8721, 0.3850, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5113, 0.4677, 0.4668 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(170, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 130, 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(170, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5113, 0.4677, 0.4668 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(170, 130, 0) }
```

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

```
.border{ border-color:rgb(170, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5113, 0.4677, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 130, 0) }
```

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

```
.background{ background-color: rgb(170,  
130, 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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