

Converting Colors

$Yxy(23.8664, 0.5030, 0.4861)$

Have a look what the booklet for
Yxy(23.8664, 0.5030, 0.4861)
contains.

Yxy(24.0357, 0.4789, 0.4579)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0357, 0.4789, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	AF7E00
RGB	175, 126, 0
RGB Percent	69%, 49%, 0%
CMY	0.3138, 0.5058, 0.9996
CMYK	0.00, 0.28, 1.00, 0.31
HSL	43°, 100%, 34%
HSV	43°, 100%, 69%
XYZ	25.1380, 24.0357, 3.3174
YIQ	126.2870, 69.6500, -28.7980

Conversions

Conversions Part 2

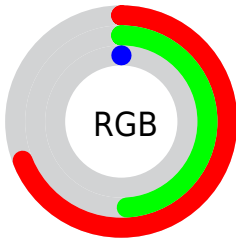
Format	Color
RYB	68, 175, 0
Decimal	11501056
CIELab	56.12, 10.07, 61.88
CIELCh	56, 62.699, 80.757
Yxy	24.0357, 0.4789, 0.4579
Android (android.graphics.Color)	4289691136 (0xFFAF7E00)
YUV	126.2870, -62.2595, 42.7213
Hunter-Lab	49.0262, 5.7293, 30.3064

Details

The Yxy color **24.0357, 0.4789, 0.4579** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.2991, 0.1600, 0.0959**, and the grayscale version is **21.1705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9203, 0.4511, 0.4396**, and **9.0897, 0.4919, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **24.0285, 0.4790, 0.4579**, and if you desaturate by 10%, it is **25.3634, 0.4678, 0.4583**.

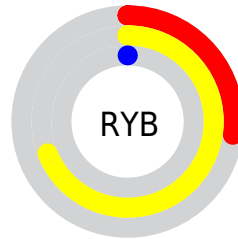
Distribution



Red (69%)

Green (49%)

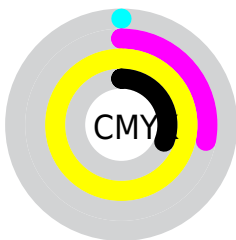
Blue (0%)



Red (27%)

Yellow (69%)

Blue (0%)

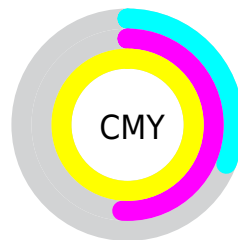


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0357, 0.4789, 0.4579 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 24.0357, 0.4789, 0.4579 by changing the saturation by 10% instead.


 24.0357, 0.4789,
0.4579


 24.0357, 0.4789,
0.4579


 273.0009, 0.3959,
0.3990


 15.3601, 0.4953,
0.4665


 50.0885, 0.4509,
0.4401

 9.0725, 0.5194,
0.4791


 68.2344, 0.4395,
0.4321

 4.7885, 0.5278,
0.4722

 90.3059, 0.4297,
0.4249

 2.1237, 0.5399,
0.4601

 116.6874, 0.4211,
0.4185


 0.6779, 0.5679,
0.4321


 147.7633, 0.4135,
0.4128


 0.0000, 0.0000,
0.0000

 183.9179, 0.4069,


0.4077

 225.5356, 0.4011,
0.4031

 24.0357, 0.4789,
0.4579


 24.0357, 0.4789,
0.4579

 24.0285, 0.4790,
0.4579

 25.3634, 0.4678,
0.4583

 26.7896, 0.4542,
0.4548

 28.3307, 0.4380,
0.4465

 29.9943, 0.4199,
0.4343

 31.7871, 0.4008,
0.4189

■ 33.7149, 0.3814,
0.4016

■ 35.7831, 0.3626,
0.3833

■ 37.9965, 0.3446,
0.3647

■ 40.3598, 0.3279,
0.3464

Harmonies

Analogous

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



24.0357, 0.5223, 0.3833



24.0357, 0.4789, 0.4579



24.0357, 0.3960, 0.5204

Triad

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



24.0357, 0.4789, 0.4579



24.0357, 0.1543, 0.3039



24.0357, 0.2957, 0.2013

Complementary

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



24.0357, 0.4789, 0.4579



5.2991, 0.1600, 0.0959

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.



24.0357, 0.2074, 0.1774



24.0357, 0.4789, 0.4579



24.0357, 0.1384, 0.2194

Square

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



24.0357, 0.4789, 0.4579



24.0357, 0.2093, 0.4285



24.0357, 0.1560, 0.1812



24.0357, 0.4082, 0.2491

Rectangle

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



24.0357, 0.4789, 0.4579



24.0357, 0.3311, 0.5321



24.0357, 0.1560, 0.1812



24.0357, 0.2623, 0.1904

Sweetspot

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



24.0369, 0.4789, 0.4579



63.8758, 0.3636, 0.3843



9.3420, 0.5809, 0.2974



13.8513, 0.3714, 0.3920



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.0369, 0.4789, 0.4579



42.6565, 0.4802, 0.4569



35.9805, 0.3816, 0.5351



8.9453, 0.3269, 0.3453



17.3187, 0.4781, 0.4586



0.5678, 0.4567, 0.4756

Inverse Universe

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



5.2991, 0.1600, 0.0959



9.1605, 0.1592, 0.0931



3.5091, 0.1616, 0.0664



8.1088, 0.2986, 0.3122



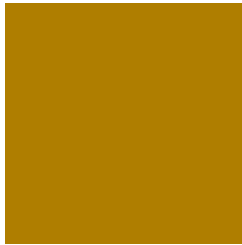
3.8820, 0.1605, 0.0977



0.2012, 0.1777, 0.1597

Previews

White Background



This preview shows how the Yxy color 24.0357, 0.4789, 0.4579 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 24.0357, 0.4789, 0.4579 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 24.0357, 0.4789, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 24.0357, 0.4789, 0.4579.



This preview shows how white text looks on a background with the Yxy color 24.0357, 0.4789, 0.4579.

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

24.0357, 0.4789, 0.4579

Protanopia

24.0253, 0.4379, 0.4856

Deuteranopia

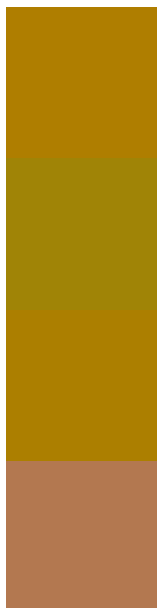
24.0963, 0.4717, 0.4637



Tritanopia

24.0527, 0.3836, 0.3162

Trichromacy



Original Color

24.0357, 0.4789, 0.4579

Protanomaly

23.9893, 0.4523, 0.4762

Deuteranomaly

23.9494, 0.4742, 0.4616

Tritanomaly

23.5958, 0.4380, 0.3863

Monochromacy



Original Color

24.0357, 0.4789, 0.4579

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4302, 0.3888, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0357, 0.4789, 0.4579 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(175, 126, 0)` looks like.

```
.text, #text, p{  
  color:rgb(175, 126, 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(175, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.0357, 0.4789, 0.4579 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(175, 126, 0) }
```

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

```
.border{ border-color:rgb(175, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0357, 0.4789, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 126, 0) }
```

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

```
.background{ background-color: rgb(175,  
126, 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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