

Converting Colors

$Y_{xy}(24.8206, 0.4783, 0.4439)$

Have a look what the booklet for
Yxy(24.8206, 0.4783, 0.4439)
contains.

Yxy(24.8200, 0.4778, 0.4441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8200, 0.4778, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	B57E1A
RGB	181, 126, 26
RGB Percent	71%, 49%, 10%
CMY	0.2902, 0.5059, 0.8977
CMYK	0.00, 0.30, 0.86, 0.29
HSL	39°, 75%, 41%
HSV	39°, 86%, 71%
XYZ	26.7034, 24.8200, 4.3649
YIQ	131.0450, 64.8800, -19.4400

Conversions

Conversions Part 2

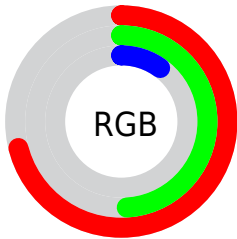
Format	Color
RYB	111, 181, 26
Decimal	11894298
CIELab	56.90, 13.25, 57.24
CIELCh	57, 58.754, 76.963
Yxy	24.8200, 0.4778, 0.4441
Android (android.graphics.Color)	4290084378 (0xFFB57E1A)
YUV	131.0450, -51.7872, 43.8105
Hunter-Lab	49.8197, 8.4919, 29.6792

Details

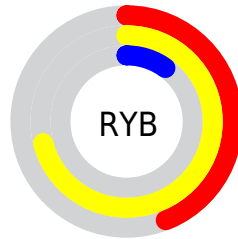
The Yxy color **24.8200, 0.4778, 0.4441** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.4517, 0.1773, 0.1430**, and the grayscale version is **22.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5351, 0.4479, 0.4284**, and **9.5187, 0.5008, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **23.1730, 0.4928, 0.4432**, and if you desaturate by 10%, it is **26.6259, 0.4597, 0.4399**.

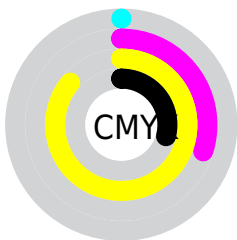
Distribution



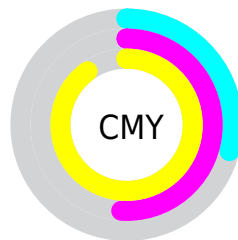
- Red (71%)
- Green (49%)
- Blue (10%)



- Red (44%)
- Yellow (71%)
- Blue (10%)



- Cyan (0%)
- Magenta (30%)
- Yellow (86%)
- Black (29%)




- Cyan (29%)
- Magenta (51%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8200, 0.4778, 0.4441 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 24.8200, 0.4778, 0.4441 by changing the saturation by 10% instead.


 24.8200, 0.4778,
0.4441


 24.8200, 0.4778,
0.4441


276.9403, 0.3935,
0.3914


 15.9430, 0.4960,
0.4522


 51.3651, 0.4484,
0.4279


 9.4838, 0.5182,
0.4602


 69.8019, 0.4369,
0.4208


 5.0581, 0.5391,
0.4609

 92.1942, 0.4269,
0.4144

 2.2814, 0.5541,
0.4459

 118.9262, 0.4183,
0.4087

 0.7638, 0.5828,
0.4172

 150.3825, 0.4109,
0.4036

 0.0000, 0.0000,
0.0000

 186.9473, 0.4043,

0.3991

229.0051, 0.3986,
0.3950

24.8200, 0.4778,
0.4441

24.8200, 0.4778,
0.4441

23.1730, 0.4928,
0.4432

26.6259, 0.4597,
0.4399

22.4874, 0.4990,
0.4420

28.5973, 0.4394,
0.4312

30.7444, 0.4180,
0.4188

33.0747, 0.3964,
0.4039

35.5954, 0.3756,
0.3876

■ 38.3130, 0.3559,
0.3707

■ 41.2334, 0.3377,
0.3539

■ 44.3626, 0.3212,
0.3377

■ 47.7058, 0.3064,
0.3223

Harmonies

Analogous

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



24.8200, 0.5097, 0.3741



24.8200, 0.4778, 0.4441



24.8200, 0.4042, 0.5032

Triad

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



24.8200, 0.4778, 0.4441



24.8200, 0.1685, 0.3201



24.8200, 0.2852, 0.2043

Complementary

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



24.8200, 0.4778, 0.4441



9.4517, 0.1773, 0.1430

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.



24.8200, 0.2059, 0.1847



24.8200, 0.4778, 0.4441



24.8200, 0.1481, 0.2347

Square

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



24.8200, 0.4778, 0.4441



24.8200, 0.2261, 0.4349



24.8200, 0.1609, 0.1926



24.8200, 0.3886, 0.2475

Rectangle

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



24.8200, 0.4778, 0.4441



24.8200, 0.3439, 0.5175



24.8200, 0.1609, 0.1926



24.8200, 0.2551, 0.1949

Sweetspot

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



24.8213, 0.4778, 0.4441



68.1973, 0.3575, 0.3721



11.1882, 0.5070, 0.2703



14.3757, 0.3641, 0.3779



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.8213, 0.4778, 0.4441



39.8321, 0.5006, 0.4407



40.6298, 0.3955, 0.5138



9.3889, 0.3272, 0.3437



15.6374, 0.4977, 0.4430



0.5971, 0.4708, 0.4644

Inverse Universe

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



9.4517, 0.1773, 0.1430



12.2038, 0.1642, 0.1110



4.6763, 0.1683, 0.0797



8.7074, 0.2985, 0.3139



4.9672, 0.1656, 0.1161



0.2689, 0.1820, 0.1753

Previews

White Background



This preview shows how the Yxy color 24.8200, 0.4778, 0.4441 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 24.8200, 0.4778, 0.4441 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 24.8200, 0.4778, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 24.8200, 0.4778, 0.4441.



This preview shows how white text looks on a background with the Yxy color 24.8200, 0.4778, 0.4441.

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

24.8200, 0.4778, 0.4441

Protanopia

24.8501, 0.4316, 0.4768

Deuteranopia

24.9154, 0.4646, 0.4561



Tritanopia

24.6680, 0.3897, 0.3165

Trichromacy



Original Color

24.8200, 0.4778, 0.4441

Protanomaly

24.7514, 0.4488, 0.4646

Deuteranomaly

25.0008, 0.4688, 0.4520

Tritanomaly

24.3615, 0.4320, 0.3715

Monochromacy



Original Color

24.8200, 0.4778, 0.4441

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.8804, 0.3785, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8200, 0.4778, 0.4441 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(181, 126, 26)` looks like.

```
.text, #text, p{  
    color:rgb(181, 126, 26)  
}
```

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(181, 126, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 126, 26) }
```

Border

The CSS property to change the border of an element to Yxy 24.8200, 0.4778, 0.4441 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(181, 126, 26) }
```

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

```
.border{ border-color:rgb(181, 126, 26) }
```

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

Here you see how a box with a 4 pixel rgb(181, 126, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 126, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 126, 26);  
box-shadow:4px 4px 4px 4px rgb(181, 126,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8200, 0.4778, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 126, 26) }
```

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

```
.background{ background-color: rgb(181,  
126, 26) }
```

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