

Converting Colors

$Y_{xy}(24.4378, 0.4481, 0.4824)$

Have a look what the booklet for
Yxy(24.4378, 0.4481, 0.4824)
contains.

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Color

Yxy(24.3193, 0.4485, 0.4821)

Conversions

Conversions Part 1

Format	Color
Hex	9E8600
RGB	158, 134, 0
RGB Percent	62%, 53%, 0%
CMY	0.3804, 0.4745, 1.0000
CMYK	0.00, 0.15, 1.00, 0.38
HSL	51°, 100%, 31%
HSV	51°, 100%, 62%
XYZ	22.6244, 24.3193, 3.5008
YIQ	125.9000, 57.3180, -36.5860

Conversions

Conversions Part 2

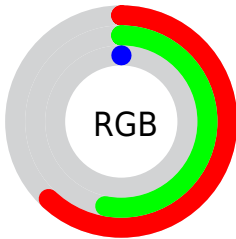
Format	Color
RYB	28, 158, 0
Decimal	10388992
CIELab	56.41, -2.22, 61.24
CIElCh	56, 61.282, 92.079
Yxy	24.3193, 0.4485, 0.4821
Android (android.graphics.Color)	4288579072 (0xFF9E8600)
YUV	125.9000, -62.0687, 28.1517
Hunter-Lab	49.3146, -4.4090, 30.3112

Details

The Yxy color **24.3193, 0.4485, 0.4821** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1209, 0.1539, 0.0739**, and the grayscale version is **21.0292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5692, 0.4263, 0.4571**, and **9.3218, 0.4502, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **24.3205, 0.4485, 0.4821**, and if you desaturate by 10%, it is **25.0279, 0.4418, 0.4797**.

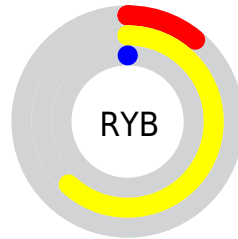
Distribution



Red (62%)

Green (53%)

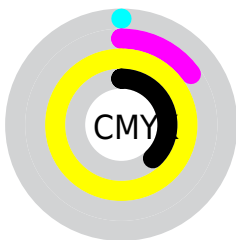
Blue (0%)



Red (11%)

Yellow (62%)

Blue (0%)

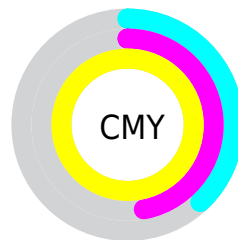


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3193, 0.4485, 0.4821 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 24.3193, 0.4485, 0.4821 by changing the saturation by 10% instead.


 24.3193, 0.4485,
0.4821


 24.3193, 0.4485,
0.4821


274.4308, 0.3826,
0.4064

 15.5706, 0.4603,
0.4965


 50.5508, 0.4270,
0.4569


 9.2209, 0.4770,
0.5170


 68.8023, 0.4180,
0.4465

 4.8855, 0.4781,
0.5219

 90.9904, 0.4101,
0.4375

 2.1802, 0.4753,
0.5247

 117.4992, 0.4032,
0.4296

 0.7092, 0.4664,
0.5336


 148.7133, 0.3970,
0.4227


 0.0000, 0.0000,
0.0000


 185.0170, 0.3916,


0.4166

 226.7947, 0.3869,
0.4112

 24.3193, 0.4485,
0.4821


 24.3193, 0.4485,
0.4821

 24.3205, 0.4485,
0.4821

 25.0279, 0.4418,
0.4797

 25.7790, 0.4330,
0.4738

 26.5863, 0.4215,
0.4636

 27.4552, 0.4079,
0.4494

 28.3903, 0.3925,
0.4321

■ 29.3956, 0.3763,
0.4126

■ 30.4747, 0.3597,
0.3918

■ 31.6310, 0.3433,
0.3705

■ 32.8676, 0.3276,
0.3494

Harmonies

Analogous

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



24.3193, 0.5082, 0.4106



24.3193, 0.4485, 0.4821



24.3193, 0.3595, 0.5263

Triad

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



24.3193, 0.4485, 0.4821



24.3193, 0.1475, 0.2679



24.3193, 0.3367, 0.2192

Complementary

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



24.3193, 0.4485, 0.4821



3.1209, 0.1539, 0.0739

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.



24.3193, 0.2383, 0.1862



24.3193, 0.4485, 0.4821



24.3193, 0.1446, 0.2032

Square

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



24.3193, 0.4485, 0.4821



24.3193, 0.1868, 0.3786



24.3193, 0.1741, 0.1793



24.3193, 0.4447, 0.2733

Rectangle

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



24.3193, 0.4485, 0.4821



24.3193, 0.2950, 0.5143



24.3193, 0.1741, 0.1793



24.3193, 0.3009, 0.2055

Sweetspot

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



24.3205, 0.4485, 0.4821



55.2299, 0.3607, 0.3930



7.3443, 0.6134, 0.3153



12.2730, 0.3673, 0.4014



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.3205, 0.4485, 0.4821



43.9365, 0.4491, 0.4816



27.4739, 0.3624, 0.5504



7.5487, 0.3264, 0.3478



19.5263, 0.4482, 0.4823



0.3914, 0.4351, 0.4927

Inverse Universe

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



3.1209, 0.1539, 0.0739



5.4816, 0.1533, 0.0718



3.2161, 0.1756, 0.0741



6.5898, 0.2988, 0.3095



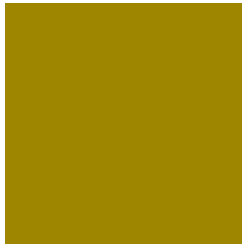
2.5387, 0.1542, 0.0749



0.0858, 0.1687, 0.1274

Previews

White Background



This preview shows how the Yxy color 24.3193, 0.4485, 0.4821 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

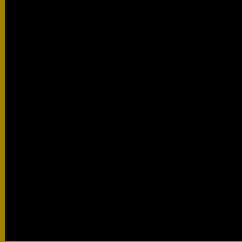
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3193, 0.4485, 0.4821

Background



This preview shows how black text looks on a background with the Yxy color 24.3193, 0.4485, 0.4821.

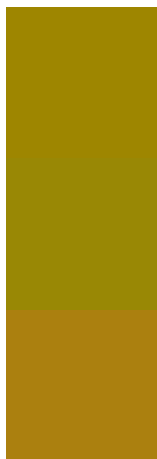


This preview shows how white text looks on a background with the Yxy color 24.3193, 0.4485, 0.4821.

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

24.3193, 0.4485, 0.4821

Protanopia

24.3916, 0.4389, 0.4873

Deuteranopia

24.1308, 0.4682, 0.4593



Tritanopia

24.3878, 0.3510, 0.3152

Trichromacy



Original Color

24.3193, 0.4485, 0.4821

Protanomaly

24.3031, 0.4430, 0.4850

Deuteranomaly

24.0942, 0.4610, 0.4675

Tritanomaly

23.7756, 0.4047, 0.3967

Monochromacy



Original Color

24.3193, 0.4485, 0.4821

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6830, 0.3790, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3193, 0.4485, 0.4821 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(158, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 134, 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(158, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.3193, 0.4485, 0.4821 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(158, 134, 0) }
```

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

```
.border{ border-color:rgb(158, 134, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 134, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 134,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3193, 0.4485, 0.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 134, 0) }
```

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

```
.background{ background-color: rgb(158,  
134, 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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