

Converting Colors

$Y_{xy}(23.9785, 0.5147, 0.4853)$

Have a look what the booklet for
Yxy(23.9785, 0.5147, 0.4853)
contains.

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Color

Yxy(24.3705, 0.4857, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	B47D00
RGB	180, 125, 0
RGB Percent	71%, 49%, 0%
CMY	0.2941, 0.5098, 0.9995
CMYK	0.00, 0.31, 1.00, 0.29
HSL	42°, 100%, 35%
HSV	42°, 100%, 71%
XYZ	26.1586, 24.3705, 3.3284
YIQ	127.1950, 72.9050, -27.2150

Conversions

Conversions Part 2

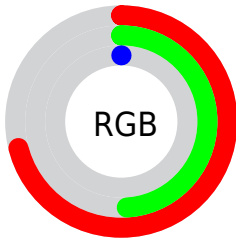
Format	Color
RYB	79, 180, 0
Decimal	11828480
CIELab	56.46, 12.92, 62.39
CIElCh	56, 63.714, 78.301
Yxy	24.3705, 0.4857, 0.4525
Android (android.graphics.Color)	4290018560 (0xFFB47D00)
YUV	127.1950, -62.7071, 46.3100
Hunter-Lab	49.3665, 8.1931, 30.5591

Details

The Yxy color **24.3705, 0.4857, 0.4525** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.0413, 0.1616, 0.1015**, and the grayscale version is **21.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5624, 0.4571, 0.4357**, and **9.3065, 0.5016, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **24.3624, 0.4858, 0.4525**, and if you desaturate by 10%, it is **25.8482, 0.4736, 0.4537**.

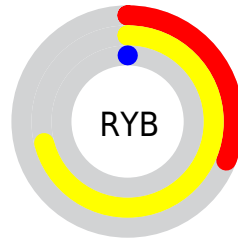
Distribution



Red (71%)

Green (49%)

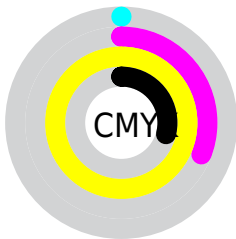
Blue (0%)



Red (31%)

Yellow (71%)

Blue (0%)

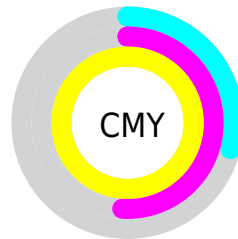


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3705, 0.4857, 0.4525 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 24.3705, 0.4857, 0.4525 by changing the saturation by 10% instead.


 24.3705, 0.4857,
0.4525


 24.3705, 0.4857,
0.4525


274.6883, 0.3992,
0.3976


 15.6087, 0.5030,
0.4598


 50.6341, 0.4565,
0.4364

 9.2477, 0.5281,
0.4703

 68.9047, 0.4446,
0.4290

 4.9031, 0.5384,
0.4616

 91.1137, 0.4343,
0.4223

 2.1905, 0.5533,
0.4467

 117.6455, 0.4253,
0.4162


 0.7148, 0.5842,
0.4158


 148.8844, 0.4175,
0.4108


 0.0000, 0.0000,
0.0000


 185.2150, 0.4106,

0.4059

 227.0214, 0.4046,
0.4015


 24.3705, 0.4857,
0.4525


 24.3705, 0.4857,
0.4525


 24.3624, 0.4858,
0.4525

 25.8482, 0.4736,
0.4537

 27.4434, 0.4590,
0.4507

 29.1736, 0.4417,
0.4429

 31.0472, 0.4226,
0.4311

 33.0715, 0.4026,
0.4162

■ 35.2532, 0.3826,
0.3994

■ 37.5982, 0.3632,
0.3815

■ 40.1121, 0.3449,
0.3635

■ 42.8000, 0.3280,
0.3458

Harmonies

Analogous

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



24.3705, 0.5252, 0.3772



24.3705, 0.4857, 0.4525



24.3705, 0.4040, 0.5185

Triad

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



24.3705, 0.4857, 0.4525



24.3705, 0.1558, 0.3127



24.3705, 0.2869, 0.1972

Complementary

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



24.3705, 0.4857, 0.4525



6.0413, 0.1616, 0.1015

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.



24.3705, 0.2007, 0.1753



24.3705, 0.4857, 0.4525



24.3705, 0.1370, 0.2232

Square

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



24.3705, 0.4857, 0.4525



24.3705, 0.2144, 0.4402



24.3705, 0.1520, 0.1816



24.3705, 0.3999, 0.2437

Rectangle

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



24.3705, 0.4857, 0.4525



24.3705, 0.3391, 0.5352



24.3705, 0.1520, 0.1816



24.3705, 0.2540, 0.1870

Sweetspot

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



24.3717, 0.4857, 0.4525



67.9098, 0.3643, 0.3826



10.0035, 0.5696, 0.2912



14.2903, 0.3722, 0.3900



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.



24.3717, 0.4857, 0.4525



43.7379, 0.4871, 0.4514



38.8533, 0.3873, 0.5306



9.4593, 0.3270, 0.3448



17.1240, 0.4848, 0.4533



0.6361, 0.4626, 0.4709

Inverse Universe

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



6.0413, 0.1616, 0.1015



10.5766, 0.1607, 0.0986



3.6233, 0.1587, 0.0648



8.6400, 0.2985, 0.3127



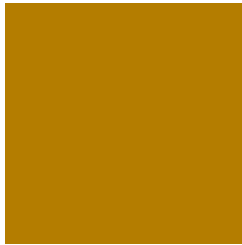
4.3161, 0.1621, 0.1035



0.2416, 0.1785, 0.1624

Previews

White Background



This preview shows how the Yxy color 24.3705, 0.4857, 0.4525 looks on a white background.

Color Contrast Check

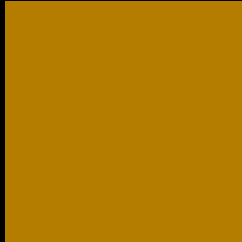
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3705, 0.4857, 0.4525 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 24.3705, 0.4857, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 24.3705, 0.4857, 0.4525.



This preview shows how white text looks on a background with the Yxy color 24.3705, 0.4857, 0.4525.

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

24.3705, 0.4857, 0.4525

Protanopia

24.4048, 0.4376, 0.4854

Deuteranopia

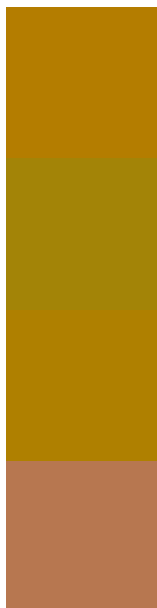
24.4712, 0.4714, 0.4639



Tritanopia

24.2857, 0.3903, 0.3164

Trichromacy



Original Color

24.3705, 0.4857, 0.4525

Protanomaly

24.3044, 0.4555, 0.4732

Deuteranomaly

24.5523, 0.4761, 0.4602

Tritanomaly

23.8401, 0.4436, 0.3836

Monochromacy



Original Color

24.3705, 0.4857, 0.4525

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6268, 0.3903, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3705, 0.4857, 0.4525 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(180, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 125, 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(180, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.3705, 0.4857, 0.4525 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(180, 125, 0) }
```

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

```
.border{ border-color:rgb(180, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3705, 0.4857, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 0) }
```

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

```
.background{ background-color: rgb(180,  
125, 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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