

Converting Colors

$Y_{xy}(24.2744, 0.4983, 0.4366)$

Have a look what the booklet for
Yxy(24.2744, 0.4983, 0.4366)
contains.

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Color

Yxy(24.2808, 0.4990, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	BD780D
RGB	189, 120, 13
RGB Percent	74%, 47%, 5%
CMY	0.2588, 0.5294, 0.9486
CMYK	0.00, 0.37, 0.93, 0.26
HSL	36°, 87%, 40%
HSV	36°, 93%, 74%
XYZ	27.7765, 24.2808, 3.6071
YIQ	128.4330, 75.4710, -18.6490

Conversions

Conversions Part 2

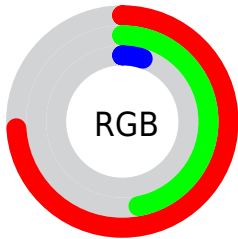
Format	Color
R_{YB}	126, 189, 13
Decimal	12417037
CIE _{Lab}	56.37, 19.87, 60.54
CIE _{LCh}	56, 63.718, 71.825
Yxy	24.2808, 0.4990, 0.4362
Android (android.graphics.Color)	4290607117 (0xFFBD780D)
YUV	128.4330, -56.9085, 53.1173
Hunter-Lab	49.2756, 14.3879, 30.1528

Details

The Yxy color **24.2808, 0.4990, 0.4362** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.8123, 0.1729, 0.1371**, and the grayscale version is **21.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3101, 0.4662, 0.4235**, and **9.2523, 0.5234, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **23.0484, 0.5097, 0.4335**, and if you desaturate by 10%, it is **26.2102, 0.4815, 0.4368**.

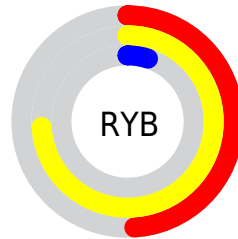
Distribution



Red (74%)

Green (47%)

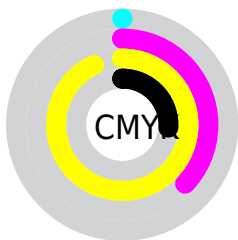
Blue (5%)



Red (49%)

Yellow (74%)

Blue (5%)

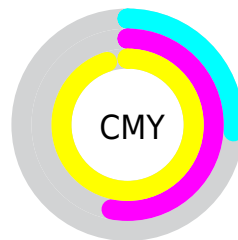


Cyan (0%)

Magenta (37%)

Yellow (93%)

Black (26%)



Cyan (26%)

Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2808, 0.4990, 0.4362 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 24.2808, 0.4990, 0.4362 by changing the saturation by 10% instead.

 24.2808, 0.4990,
0.4362


 24.2808, 0.4990,
0.4362


274.2371, 0.4041,
0.3909

 15.5420, 0.5190,
0.4409


 50.4880, 0.4662,
0.4238


 9.2007, 0.5464,
0.4463


 68.7253, 0.4532,
0.4178

 4.8723, 0.5644,
0.4356

 90.8976, 0.4420,
0.4122

 2.1725, 0.5863,
0.4137

 117.3892, 0.4323,
0.4070

 0.7050, 0.6291,
0.3709

 148.5845, 0.4238,
0.4024

 0.0000, 1.0000,
0.0000

 184.8680, 0.4164,

 0.0000, 0.0000,

0.3982

0.0000

226.6241, 0.4099,
0.3944

24.2808, 0.4990,
0.4362

24.2808, 0.4990,
0.4362

23.0484, 0.5097,
0.4335

26.2102, 0.4815,
0.4368

28.3383, 0.4610,
0.4322

30.6782, 0.4387,
0.4232

33.2400, 0.4157,
0.4109

36.0329, 0.3931,
0.3963

■ 39.0651, 0.3716,
0.3805

■ 42.3446, 0.3517,
0.3645

■ 45.8786, 0.3336,
0.3486

■ 49.6742, 0.3173,
0.3335

Harmonies

Analogous

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



24.2808, 0.5256, 0.3615



24.2808, 0.4990, 0.4362



24.2808, 0.4239, 0.5070

Triad

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



24.2808, 0.4990, 0.4362



24.2808, 0.1648, 0.3385



24.2808, 0.2651, 0.1901

Complementary

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



24.2808, 0.4990, 0.4362



9.8123, 0.1729, 0.1371

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.



24.2808, 0.1870, 0.1740



24.2808, 0.4990, 0.4362



24.2808, 0.1378, 0.2380

Square

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



24.2808, 0.4990, 0.4362



24.2808, 0.2320, 0.4663



24.2808, 0.1459, 0.1870



24.2808, 0.3751, 0.2318

Rectangle

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



24.2808, 0.4990, 0.4362



24.2808, 0.3606, 0.5340



24.2808, 0.1459, 0.1870



24.2808, 0.2348, 0.1818

Sweetspot

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



24.2821, 0.4990, 0.4362



72.6178, 0.3622, 0.3731



11.7417, 0.5185, 0.2681



15.0811, 0.3710, 0.3801



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.2821, 0.4990, 0.4362



40.7978, 0.5115, 0.4321



45.1301, 0.4017, 0.5156



10.4750, 0.3274, 0.3429



15.6594, 0.5082, 0.4347



0.7373, 0.4816, 0.4558

Inverse Universe

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



9.8123, 0.1729, 0.1371



14.9521, 0.1669, 0.1210



4.2517, 0.1580, 0.0679



9.8228, 0.2984, 0.3147



5.9196, 0.1684, 0.1261



0.3599, 0.1821, 0.1754

Previews

White Background



This preview shows how the Yxy color 24.2808, 0.4990, 0.4362 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 24.2808, 0.4990, 0.4362 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 24.2808, 0.4990, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 24.2808, 0.4990, 0.4362.



This preview shows how white text looks on a background with the Yxy color 24.2808, 0.4990, 0.4362.

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

24.2808, 0.4990, 0.4362

Protanopia

24.4276, 0.4355, 0.4822

Deuteranopia

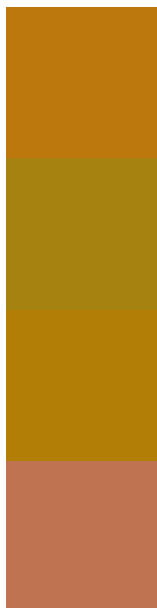
24.4712, 0.4714, 0.4639



Tritanopia

24.4137, 0.4100, 0.3184

Trichromacy



Original Color

24.2808, 0.4990, 0.4362

Protanomaly

24.1127, 0.4592, 0.4650

Deuteranomaly

24.3976, 0.4810, 0.4540

Tritanomaly

24.0620, 0.4565, 0.3742

Monochromacy



Original Color

24.2808, 0.4990, 0.4362

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8231, 0.3905, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2808, 0.4990, 0.4362 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(189, 120, 13)` looks like.

```
.text, #text, p{  
    color:rgb(189, 120, 13)  
}
```

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(189, 120, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 120, 13) }
```

Border

The CSS property to change the border of an element to Yxy 24.2808, 0.4990, 0.4362 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(189, 120, 13) }
```

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

```
.border{ border-color:rgb(189, 120, 13) }
```

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

Here you see how a box with a 4 pixel rgb(189, 120, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 120, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 120, 13);  
box-shadow:4px 4px 4px 4px rgb(189, 120,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2808, 0.4990, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 120, 13) }
```

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

```
.background{ background-color: rgb(189,  
120, 13) }
```

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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