

# Converting Colors

$Y_{xy}(25.7407, 0.4844, 0.4425)$

Have a look what the booklet for  
Yxy(25.7407, 0.4844, 0.4425)  
contains.

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**Color**

**Yxy(25.8015, 0.4843, 0.4427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB7F16
RGB	187, 127, 22
RGB Percent	73%, 50%, 9%
CMY	0.2667, 0.5019, 0.9135
CMYK	0.00, 0.32, 0.88, 0.27
HSL	38°, 79%, 41%
HSV	38°, 88%, 73%
XYZ	28.2260, 25.8015, 4.2546
YIQ	132.9700, 69.4650, -19.9350

# Conversions

## Conversions Part 2

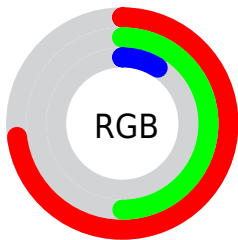
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 187, 22
Decimal	12287766
CIE <sub>Lab</sub>	57.85, 15.27, 59.46
CIE <sub>LCh</sub>	58, 61.387, 75.592
Yxy	25.8015, 0.4843, 0.4427
Android (android.graphics.Color)	4290477846 (0xFFBB7F16)
YUV	132.9700, -54.7082, 47.3843
Hunter-Lab	50.7952, 10.2979, 30.5905

# Details

The Yxy color **25.8015, 0.4843, 0.4427** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.7996, 0.1751, 0.1393**, and the grayscale version is **23.6314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1635, 0.4541, 0.4277**, and **10.0380, 0.5057, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **24.0542, 0.4990, 0.4405**, and if you desaturate by 10%, it is **27.7195, 0.4666, 0.4401**.

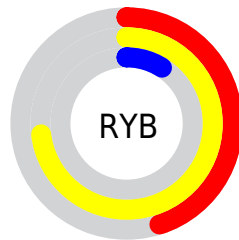
# Distribution



Red (73%)

Green (50%)

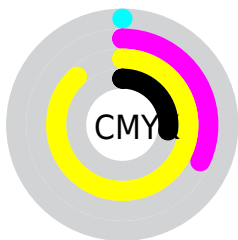
Blue (9%)



Red (45%)

Yellow (73%)

Blue (9%)

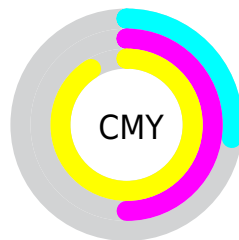


Cyan (0%)

Magenta (32%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (50%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8015, 0.4843, 0.4427 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 25.8015, 0.4843, 0.4427 by changing the saturation by 10% instead.





 25.8015, 0.4843,  
0.4427


 25.8015, 0.4843,  
0.4427

281.8063, 0.3975,  
0.3923


 16.6752, 0.5026,  
0.4497


 52.9545, 0.4544,  
0.4277


 10.0032, 0.5251,  
0.4564


 71.7501, 0.4425,  
0.4209


 5.4011, 0.5455,  
0.4545

 94.5375, 0.4322,  
0.4148

 2.4845, 0.5617,  
0.4383

 121.7011, 0.4233,  
0.4093

 0.8688, 0.5902,  
0.4098

 153.6255, 0.4156,  
0.4043

 0.0000, 1.0000,  
0.0000

 190.6948, 0.4088,

 0.0000, 0.0000,

0.3999

0.0000

233.2936, 0.4029,  
0.3959

25.8015, 0.4843,  
0.4427

25.8015, 0.4843,  
0.4427

24.0542, 0.4990,  
0.4405

27.7195, 0.4666,  
0.4401

23.7535, 0.5016,  
0.4399

29.8189, 0.4463,  
0.4327

32.1110, 0.4247,  
0.4213

34.6046, 0.4028,  
0.4072

37.3075, 0.3814,  
0.3913

■ 40.2273, 0.3612,  
0.3746

■ 43.3706, 0.3424,  
0.3579

■ 46.7439, 0.3254,  
0.3417

■ 50.3534, 0.3101,  
0.3263

# Harmonies

## Analogous

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



25.8015, 0.5153, 0.3709



25.8015, 0.4843, 0.4427



25.8015, 0.4097, 0.5057

# Triad

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



25.8015, 0.4843, 0.4427



25.8015, 0.1665, 0.3244



25.8015, 0.2797, 0.1998

# Complementary

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



25.8015, 0.4843, 0.4427



9.7996, 0.1751, 0.1393

# 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.



25.8015, 0.2002, 0.1810



25.8015, 0.4843, 0.4427



25.8015, 0.1444, 0.2347

# Square

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



25.8015, 0.4843, 0.4427



25.8015, 0.2269, 0.4438



25.8015, 0.1560, 0.1902



25.8015, 0.3858, 0.2428



# Rectangle

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



25.8015, 0.4843, 0.4427



25.8015, 0.3482, 0.5237



25.8015, 0.1560, 0.1902



25.8015, 0.2493, 0.1907

# Sweetspot

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



25.8028, 0.4843, 0.4427



73.0298, 0.3577, 0.3717



11.7569, 0.5160, 0.2718



15.6664, 0.3645, 0.3775



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.



25.8028, 0.4843, 0.4427



42.0827, 0.5033, 0.4386



43.5926, 0.3959, 0.5163



10.5210, 0.3273, 0.3436



16.5099, 0.5004, 0.4409



0.7670, 0.4763, 0.4600



# Inverse Universe

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



9.7996, 0.1751, 0.1393



13.4215, 0.1647, 0.1130



4.7003, 0.1651, 0.0754



9.7782, 0.2984, 0.3140



5.4476, 0.1661, 0.1180



0.3391, 0.1800, 0.1681



# Previews

## White Background



This preview shows how the Yxy color 25.8015, 0.4843, 0.4427 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 25.8015, 0.4843, 0.4427 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 25.8015, 0.4843, 0.4427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.8015, 0.4843, 0.4427.



This preview shows how white text looks on a background with the Yxy color 25.8015, 0.4843, 0.4427.

# 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

25.8015, 0.4843, 0.4427

### Protanopia

25.9988, 0.4328, 0.4794

### Deuteranopia

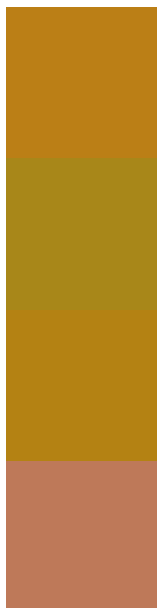
25.7763, 0.4673, 0.4586



## Tritanopia

25.6956, 0.3952, 0.3169

# Trichromacy



## Original Color

25.8015, 0.4843, 0.4427

## Protanomaly

25.7230, 0.4520, 0.4653

## Deuteranomaly

25.7156, 0.4740, 0.4527

## Tritanomaly

25.3432, 0.4394, 0.3728

# Monochromacy



## Original Color

25.8015, 0.4843, 0.4427

## Achromatopsia

23.4551, 0.3127, 0.3290

## Achromatomaly

23.7952, 0.3824, 0.3917

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8015, 0.4843, 0.4427 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(187, 127, 22)` looks like.

```
.text, #text, p{  
    color:rgb(187, 127, 22)  
}
```

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(187, 127, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 127, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8015, 0.4843, 0.4427 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(187, 127, 22) }
```

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

```
.border{ border-color:rgb(187, 127, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 127, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 127, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 127, 22);  
box-shadow:4px 4px 4px 4px rgb(187, 127,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8015, 0.4843, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 127, 22) }
```

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

```
.background{ background-color: rgb(187,  
127, 22) }
```

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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