

Converting Colors

$Y_{xy}(24.8023, 0.5101, 0.4138)$

Have a look what the booklet for
Yxy(24.8023, 0.5101, 0.4138)
contains.

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Color

$\text{Yxy}(24.7833, 0.5096, 0.4144)$

Conversions

Conversions Part 1

Format	Color
Hex	C97320
RGB	201, 115, 32
RGB Percent	79%, 45%, 13%
CMY	0.2118, 0.5490, 0.8744
CMYK	0.00, 0.43, 0.84, 0.21
HSL	29°, 73%, 46%
HSV	29°, 84%, 79%
XYZ	30.4768, 24.7833, 4.5452
YIQ	131.2520, 77.8990, -7.5810

Conversions

Conversions Part 2

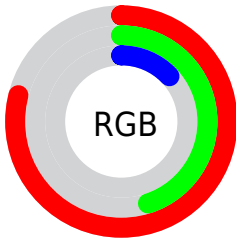
Format	Color
R_{YB}	201, 195, 32
Decimal	13202208
CIE Lab	56.86, 28.16, 56.25
CIE LCh	57, 62.903, 63.407
Yxy	24.7833, 0.5096, 0.4144
Android (android.graphics.Color)	4291392288 (0xFFC97320)
YUV	131.2520, -48.9312, 61.1690
Hunter-Lab	49.7828, 22.1567, 29.4348

Details

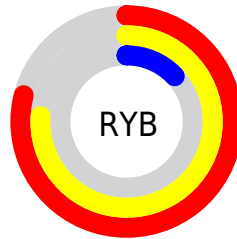
The Yxy color **24.7833, 0.5096, 0.4144** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **17.4800, 0.1898, 0.1884**, and the grayscale version is **22.9514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9211, 0.4661, 0.4091**, and **9.5591, 0.5467, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **22.5018, 0.5322, 0.4104**, and if you desaturate by 10%, it is **27.3928, 0.4835, 0.4130**.

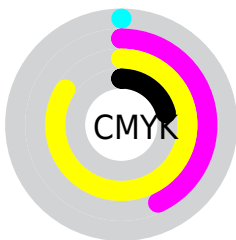
Distribution



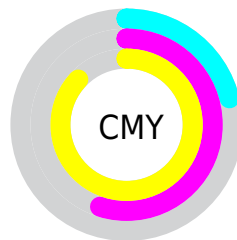
- Red (79%)
- Green (45%)
- Blue (13%)



- Red (79%)
- Yellow (76%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (84%)
- Black (21%)





- Cyan (21%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7833, 0.5096, 0.4144 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 24.7833, 0.5096, 0.4144 by changing the saturation by 10% instead.


 24.7833, 0.5096,
0.4144


 24.7833, 0.5096,
0.4144


276.7570, 0.4072,
0.3808


 15.9157, 0.5328,
0.4167


 51.3055, 0.4733,
0.4061


 9.4645, 0.5612,
0.4163


 69.7288, 0.4592,
0.4016

 5.0454, 0.5926,
0.4074

 92.1061, 0.4471,
0.3974

 2.2739, 0.6208,
0.3792

 118.8219, 0.4368,
0.3934

 0.7599, 0.6706,
0.3294

 150.2605, 0.4279,
0.3898

 0.0000, 1.0000,
0.0000

 186.8063, 0.4201,

 0.0000, 0.0000,

0.3865

0.0000

228.8437, 0.4133,
0.3835

24.7833, 0.5096,
0.4144

24.7833, 0.5096,
0.4144

22.5018, 0.5322,
0.4104

27.3928, 0.4835,
0.4130

21.2864, 0.5441,
0.4061

30.3450, 0.4558,
0.4069

33.6575, 0.4281,
0.3974

37.3452, 0.4017,
0.3856

41.4219, 0.3773,
0.3726

■ 45.9006, 0.3554,
0.3593

■ 50.7934, 0.3360,
0.3463

■ 56.1120, 0.3190,
0.3339

■ 61.8675, 0.3042,
0.3222

Harmonies

Analogous

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



24.7833, 0.5167, 0.3419



24.7833, 0.5096, 0.4144



24.7833, 0.4466, 0.4870

Triad

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



24.7833, 0.5096, 0.4144



24.7833, 0.1819, 0.3737



24.7833, 0.2407, 0.1850

Complementary

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



24.7833, 0.5096, 0.4144



17.4800, 0.1898, 0.1884

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.



24.7833, 0.1740, 0.1767



24.7833, 0.5096, 0.4144



24.7833, 0.1441, 0.2625

Square

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



24.7833, 0.5096, 0.4144



24.7833, 0.2585, 0.4916



24.7833, 0.1428, 0.1992



24.7833, 0.3420, 0.2195

Rectangle

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



24.7833, 0.5096, 0.4144



24.7833, 0.3874, 0.5227



24.7833, 0.1428, 0.1992



24.7833, 0.2143, 0.1792

Sweetspot

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



24.7846, 0.5096, 0.4144



77.5742, 0.3581, 0.3610



14.7897, 0.4532, 0.2398



16.0090, 0.3657, 0.3658



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



24.7846, 0.5096, 0.4144



35.9902, 0.5462, 0.4045



52.9869, 0.4174, 0.4961



11.4827, 0.3277, 0.3404



13.5683, 0.5419, 0.4079



0.7874, 0.5097, 0.4335

Inverse Universe

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



17.4800, 0.1898, 0.1884



23.1193, 0.1771, 0.1575



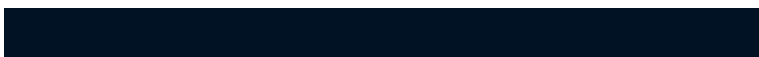
5.7165, 0.1603, 0.0781



11.1647, 0.2983, 0.3174



8.8443, 0.1784, 0.1623



0.5635, 0.1888, 0.1997

Previews

White Background



This preview shows how the Yxy color 24.7833, 0.5096, 0.4144 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 24.7833, 0.5096, 0.4144 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 24.7833, 0.5096, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 24.7833, 0.5096, 0.4144.



This preview shows how white text looks on a background with the Yxy color 24.7833, 0.5096, 0.4144.

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

24.7833, 0.5096, 0.4144

Protanopia

24.9013, 0.4271, 0.4701

Deuteranopia

24.9154, 0.4646, 0.4561



Tritanopia

24.7323, 0.4327, 0.3192

Trichromacy



Original Color

24.7833, 0.5096, 0.4144

Protanomaly

24.4858, 0.4578, 0.4490

Deuteranomaly

24.8136, 0.4809, 0.4409

Tritanomaly

24.6451, 0.4694, 0.3602

Monochromacy



Original Color

24.7833, 0.5096, 0.4144

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5614, 0.3875, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7833, 0.5096, 0.4144 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(201, 115, 32)` looks like.

```
.text, #text, p{  
    color:rgb(201, 115, 32)  
}
```

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(201, 115, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 115, 32) }
```

Border

The CSS property to change the border of an element to Yxy 24.7833, 0.5096, 0.4144 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(201, 115, 32) }
```

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

```
.border{ border-color:rgb(201, 115, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 115, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 115, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 115, 32);  
box-shadow:4px 4px 4px 4px rgb(201, 115,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7833, 0.5096, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 115, 32) }
```

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

```
.background{ background-color: rgb(201,  
115, 32) }
```

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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