

Converting Colors

$Y_{xy}(24.3830, 0.4996, 0.4246)$

Have a look what the booklet for
Yxy(24.3830, 0.4996, 0.4246)
contains.

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Color

Yxy(24.3830, 0.4996, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	C1761D
RGB	193, 118, 29
RGB Percent	76%, 46%, 11%
CMY	0.2432, 0.5372, 0.8865
CMYK	0.00, 0.39, 0.85, 0.24
HSL	33°, 74%, 44%
HSV	33°, 85%, 76%
XYZ	28.6899, 24.3830, 4.3529
YIQ	130.2790, 73.2690, -11.7790

Conversions

Conversions Part 2

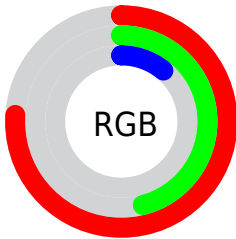
Format	Color
R_{YB}	167, 193, 29
Decimal	12678685
CIE _{Lab}	56.47, 23.04, 56.56
CIE _{LCh}	56, 61.072, 67.840
Yxy	24.3830, 0.4996, 0.4246
Android (android.graphics.Color)	4290868765 (0xFFC1761D)
YUV	130.2790, -49.9305, 55.0063
Hunter-Lab	49.3791, 17.2974, 29.3389

Details

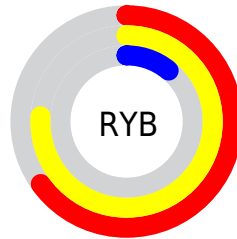
The Yxy color **24.3830, 0.4996, 0.4246** is a dark color, and the websafe version is hex **996600**. The color can be described as dark washed orange. A complement of this color would be **13.9949, 0.1851, 0.1719**, and the grayscale version is **22.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4295, 0.4656, 0.4136**, and **9.3246, 0.5326, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **22.3354, 0.5194, 0.4214**, and if you desaturate by 10%, it is **26.6871, 0.4764, 0.4225**.

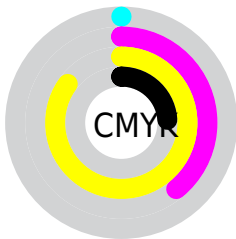
Distribution



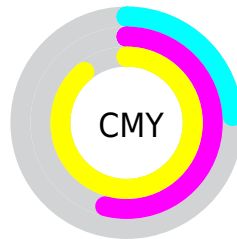
- Red (76%)
- Green (46%)
- Blue (11%)



- Red (65%)
- Yellow (76%)
- Blue (11%)



- Cyan (0%)
- Magenta (39%)
- Yellow (85%)
- Black (24%)




- Cyan (24%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3830, 0.4996, 0.4246 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 24.3830, 0.4996, 0.4246 by changing the saturation by 10% instead.


 24.3830, 0.4996,
0.4246

 24.3830, 0.4996,
0.4246


274.7511, 0.4027,
0.3845


 15.6180, 0.5213,
0.4287


 50.6545, 0.4654,
0.4137

 9.2542, 0.5482,
0.4312


 68.9297, 0.4520,
0.4083


 4.9074, 0.5756,
0.4244

 91.1438, 0.4406,
0.4033

 2.1930, 0.6002,
0.3998

 117.6812, 0.4308,
0.3988

 0.7162, 0.6466,
0.3534

 148.9262, 0.4224,
0.3946

 0.0000, 1.0000,
0.0000

 185.2633, 0.4150,

 0.0000, 0.0000,

0.3909

0.0000

227.0768, 0.4085,
0.3875

24.3830, 0.4996,
0.4246

24.3830, 0.4996,
0.4246

22.3354, 0.5194,
0.4214

26.6871, 0.4764,
0.4225

21.3951, 0.5285,
0.4185

29.2587, 0.4513,
0.4156

32.1120, 0.4258,
0.4051

35.2586, 0.4010,
0.3923

38.7092, 0.3777,
0.3782

■ 42.4739, 0.3565,
0.3637

■ 46.5619, 0.3374,
0.3493

■ 50.9824, 0.3204,
0.3356

■ 55.7437, 0.3055,
0.3226

Harmonies

Analogous

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



24.3830, 0.5156, 0.3526



24.3830, 0.4996, 0.4246



24.3830, 0.4326, 0.4936

Triad

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



24.3830, 0.4996, 0.4246



24.3830, 0.1767, 0.3546



24.3830, 0.2551, 0.1911

Complementary

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



24.3830, 0.4996, 0.4246



13.9949, 0.1851, 0.1719

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.



24.3830, 0.1840, 0.1789



24.3830, 0.4996, 0.4246



24.3830, 0.1449, 0.2521

Square

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



24.3830, 0.4996, 0.4246



24.3830, 0.2471, 0.4733



24.3830, 0.1483, 0.1963



24.3830, 0.3579, 0.2286

Rectangle

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



24.3830, 0.4996, 0.4246



24.3830, 0.3729, 0.5229



24.3830, 0.1483, 0.1963



24.3830, 0.2273, 0.1840

Sweetspot

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



24.3843, 0.4996, 0.4246



75.0986, 0.3593, 0.3657



13.2422, 0.4719, 0.2499



15.5984, 0.3666, 0.3708



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.3843, 0.4996, 0.4246



37.8248, 0.5306, 0.4169



48.8540, 0.4104, 0.5024



10.9636, 0.3276, 0.3415



14.3936, 0.5267, 0.4200



0.7584, 0.4966, 0.4439

Inverse Universe

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



13.9949, 0.1851, 0.1719



18.9794, 0.1724, 0.1405



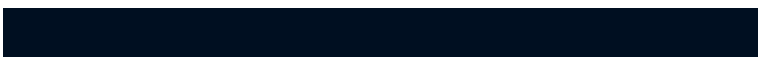
5.0729, 0.1610, 0.0761



10.4894, 0.2984, 0.3162



7.3820, 0.1738, 0.1456



0.4566, 0.1857, 0.1886

Previews

White Background



This preview shows how the Yxy color 24.3830, 0.4996, 0.4246 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 24.3830, 0.4996, 0.4246 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 24.3830, 0.4996, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 24.3830, 0.4996, 0.4246.



This preview shows how white text looks on a background with the Yxy color 24.3830, 0.4996, 0.4246.

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

24.3830, 0.4996, 0.4246

Protanopia

24.4961, 0.4292, 0.4729

Deuteranopia

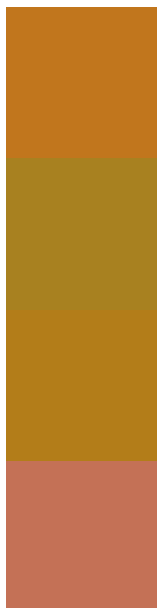
24.4203, 0.4641, 0.4570



Tritanopia

24.3302, 0.4174, 0.3186

Trichromacy



Original Color

24.3830, 0.4996, 0.4246

Protanomaly

24.1296, 0.4566, 0.4541

Deuteranomaly

24.3211, 0.4775, 0.4450

Tritanomaly

24.2179, 0.4568, 0.3645

Monochromacy



Original Color

24.3830, 0.4996, 0.4246

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4843, 0.3855, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3830, 0.4996, 0.4246 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(193, 118, 29)` looks like.

```
.text, #text, p{  
    color:rgb(193, 118, 29)  
}
```

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(193, 118, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 118, 29) }
```

Border

The CSS property to change the border of an element to Yxy 24.3830, 0.4996, 0.4246 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(193, 118, 29) }
```

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

```
.border{ border-color:rgb(193, 118, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 118, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 118, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 118, 29);  
box-shadow:4px 4px 4px 4px rgb(193, 118,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3830, 0.4996, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 118, 29) }
```

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

```
.background{ background-color: rgb(193,  
118, 29) }
```

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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