

Converting Colors

$Y_{xy}(28.1630, 0.4853, 0.4422)$

Have a look what the booklet for
Yxy(28.1630, 0.4853, 0.4422)
contains.

Yxy(28.1665, 0.4853, 0.4422)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1665, 0.4853, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	C38417
RGB	195, 132, 23
RGB Percent	76%, 52%, 9%
CMY	0.2353, 0.4823, 0.9098
CMYK	0.00, 0.32, 0.88, 0.24
HSL	38°, 79%, 43%
HSV	38°, 88%, 76%
XYZ	30.9118, 28.1665, 4.6180
YIQ	138.4110, 72.5370, -20.5430

Conversions

Conversions Part 2

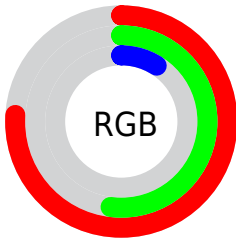
Format	Color
R_{YB}	122, 195, 23
Decimal	12813335
CIE _{Lab}	60.04, 16.09, 61.35
CIE _{LCh}	60, 63.430, 75.302
Yxy	28.1665, 0.4853, 0.4422
Android (android.graphics.Color)	4291003415 (0xFFC38417)
YUV	138.4110, -56.8976, 49.6286
Hunter-Lab	53.0721, 11.0910, 31.9915

Details

The Yxy color **28.1665, 0.4853, 0.4422** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **10.7778, 0.1750, 0.1394**, and the grayscale version is **25.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5371, 0.4551, 0.4286**, and **11.4208, 0.5061, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **26.2424, 0.5000, 0.4397**, and if you desaturate by 10%, it is **30.2808, 0.4675, 0.4398**.

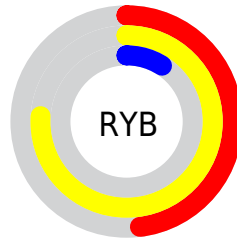
Distribution



Red (76%)

Green (52%)

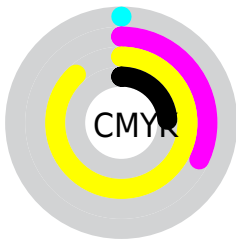
Blue (9%)



Red (48%)

Yellow (76%)

Blue (9%)

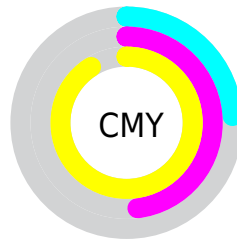


Cyan (0%)

Magenta (32%)

Yellow (88%)

Black (24%)



Cyan (24%)


Magenta (48%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1665, 0.4853, 0.4422 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 28.1665, 0.4853, 0.4422 by changing the saturation by 10% instead.


 28.1665, 0.4853,
0.4422

 28.1665, 0.4853,
0.4422


293.2617, 0.3994,
0.3931


 18.4512, 0.5032,
0.4489


 56.7502, 0.4560,
0.4279

 11.2744, 0.5240,
0.4543


 76.3873, 0.4442,
0.4213


 6.2517, 0.5457,
0.4543


 100.1005, 0.4340,
0.4153

 2.9987, 0.5609,
0.4391

 128.2742, 0.4252,
0.4098

 1.1311, 0.5869,
0.4131

 161.2928, 0.4175,
0.4050

 0.0043, 0.9893,
0.0107

 199.5406, 0.4107,

 0.0000, 0.0000,

0.4006

0.0000

243.4021, 0.4047,
0.3966

28.1665, 0.4853,
0.4422

28.1665, 0.4853,
0.4422

26.2424, 0.5000,
0.4397

30.2808, 0.4675,
0.4398

25.9123, 0.5026,
0.4391

32.5971, 0.4471,
0.4325

35.1277, 0.4254,
0.4212

37.8827, 0.4033,
0.4071

40.8708, 0.3817,
0.3912

■ 44.1003, 0.3614,
0.3746

■ 47.5787, 0.3426,
0.3579

■ 51.3132, 0.3255,
0.3417

■ 55.3107, 0.3101,
0.3263

Harmonies

Analogous

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



28.1665, 0.5160, 0.3702



28.1665, 0.4853, 0.4422



28.1665, 0.4107, 0.5057

Triad

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



28.1665, 0.4853, 0.4422



28.1665, 0.1664, 0.3254



28.1665, 0.2787, 0.1992

Complementary

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



28.1665, 0.4853, 0.4422



10.7778, 0.1750, 0.1394

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.



28.1665, 0.1993, 0.1805



28.1665, 0.4853, 0.4422



28.1665, 0.1440, 0.2350

Square

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



28.1665, 0.4853, 0.4422



28.1665, 0.2273, 0.4453



28.1665, 0.1553, 0.1901



28.1665, 0.3849, 0.2420

Rectangle

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



28.1665, 0.4853, 0.4422



28.1665, 0.3492, 0.5243



28.1665, 0.1553, 0.1901



28.1665, 0.2483, 0.1901

Sweetspot

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



28.1679, 0.4853, 0.4422



80.0720, 0.3579, 0.3716



12.8881, 0.5168, 0.2719



17.0702, 0.3648, 0.3775



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.



28.1679, 0.4853, 0.4422



45.9169, 0.5042, 0.4378



47.8706, 0.3959, 0.5165



11.1179, 0.3273, 0.3436



17.0063, 0.5012, 0.4402



0.8625, 0.4784, 0.4583

Inverse Universe

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



10.7778, 0.1750, 0.1394



14.7915, 0.1648, 0.1134



5.1325, 0.1648, 0.0750



10.3386, 0.2984, 0.3140



5.6723, 0.1663, 0.1185



0.3770, 0.1791, 0.1648

Previews

White Background



This preview shows how the Yxy color 28.1665, 0.4853, 0.4422 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 28.1665, 0.4853, 0.4422 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 28.1665, 0.4853, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 28.1665, 0.4853, 0.4422.



This preview shows how white text looks on a background with the Yxy color 28.1665, 0.4853, 0.4422.

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

28.1665, 0.4853, 0.4422

Protanopia

28.1165, 0.4334, 0.4792

Deuteranopia

28.2879, 0.4668, 0.4597



Tritanopia

28.2494, 0.3970, 0.3174

Trichromacy



Original Color

28.1665, 0.4853, 0.4422

Protanomaly

27.9447, 0.4531, 0.4648

Deuteranomaly

28.2236, 0.4730, 0.4537

Tritanomaly

27.8365, 0.4420, 0.3734

Monochromacy



Original Color

28.1665, 0.4853, 0.4422

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8238, 0.3834, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1665, 0.4853, 0.4422 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(195, 132, 23)` looks like.

```
.text, #text, p{  
    color:rgb(195, 132, 23)  
}
```

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(195, 132, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 132, 23) }
```

Border

The CSS property to change the border of an element to Yxy 28.1665, 0.4853, 0.4422 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(195, 132, 23) }
```

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

```
.border{ border-color:rgb(195, 132, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 132, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 132, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 132, 23);  
box-shadow:4px 4px 4px 4px rgb(195, 132,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1665, 0.4853, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 132, 23) }
```

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

```
.background{ background-color: rgb(195,  
132, 23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor