

Converting Colors

$Y_{xy}(28.0232, 0.4600, 0.3825)$

Have a look what the booklet for
Yxy(28.0232, 0.4600, 0.3825)
contains.

Yxy(28.1138, 0.4593, 0.3825)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1138, 0.4593, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	CC7D52
RGB	204, 125, 82
RGB Percent	80%, 49%, 32%
CMY	0.2000, 0.5098, 0.6785
CMYK	0.00, 0.39, 0.60, 0.20
HSL	21°, 54%, 56%
HSV	21°, 60%, 80%
XYZ	33.7586, 28.1138, 11.6277
YIQ	143.7190, 60.8870, 3.3750

Conversions

Conversions Part 2

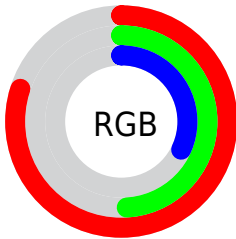
Format	Color
RYB	204, 148, 82
Decimal	13401426
CIELab	59.99, 26.54, 36.13
CIElCh	60, 44.835, 53.697
Yxy	28.1138, 0.4593, 0.3825
Android (android.graphics.Color)	4291591506 (0xFFCC7D52)
YUV	143.7190, -30.4275, 52.8664
Hunter-Lab	53.0224, 20.8590, 24.1135

Details

The Yxy color **28.1138, 0.4593, 0.3825** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **31.6385, 0.2249, 0.2624**, and the grayscale version is **27.8778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7667, 0.4222, 0.3770**, and **11.2645, 0.5072, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **24.7245, 0.4937, 0.3871**, and if you desaturate by 10%, it is **32.0430, 0.4266, 0.3751**.

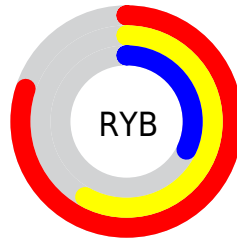
Distribution



Red (80%)

Green (49%)

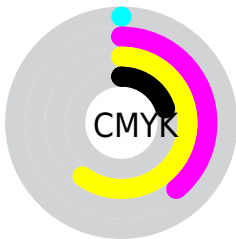
Blue (32%)



Red (80%)

Yellow (58%)

Blue (32%)

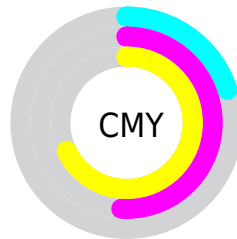


Cyan (0%)

Magenta (39%)

Yellow (60%)

Black (20%)



Cyan (20%)


Magenta (51%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1138, 0.4593, 0.3825 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 28.1138, 0.4593, 0.3825 by changing the saturation by 10% instead.


 28.1138, 0.4593,
0.3825


 28.1138, 0.4593,
0.3825


293.0103, 0.3805,
0.3589

 18.4115, 0.4799,
0.3864


 56.6661, 0.4297,
0.3752


 11.2458, 0.5065,
0.3896


 76.2848, 0.4188,
0.3720


 6.2324, 0.5410,
0.3904

 99.9778, 0.4098,
0.3692

 2.9869, 0.6042,
0.3958

 128.1294, 0.4021,
0.3666

 1.1249, 0.6427,
0.3573

 161.1241, 0.3955,
0.3644

 0.0000, 1.0000,
0.0000

199.3462, 0.3898,

 0.0000, 0.0000,

0.3623

0.0000

243.1801, 0.3849,
0.3605

■ 28.1138, 0.4593,
0.3825

■ 28.1138, 0.4593,
0.3825

■ 24.7245, 0.4937,
0.3871

■ 32.0430, 0.4266,
0.3751

■ 21.8450, 0.5277,
0.3877

■ 36.5316, 0.3969,
0.3662

■ 19.4481, 0.5582,
0.3834

■ 41.6035, 0.3708,
0.3566

■ 17.4955, 0.5834,
0.3748

■ 47.2796, 0.3482,
0.3469

■ 17.4620, 0.5838,
0.3746

■ 53.5797, 0.3289,
0.3376

■ 60.5229, 0.3124,
0.3288

■ 68.1270, 0.2985,
0.3207

■ 76.4097, 0.2866,
0.3133

■ 84.6862, 0.2820,
0.3172

Harmonies

Analogous

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



28.1138, 0.4437, 0.3275



28.1138, 0.4593, 0.3825



28.1138, 0.4309, 0.4335

Triad

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



28.1138, 0.4593, 0.3825



28.1138, 0.2372, 0.3871



28.1138, 0.2435, 0.2182

Complementary

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



28.1138, 0.4593, 0.3825



31.6385, 0.2249, 0.2624

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.



28.1138, 0.2005, 0.2208



28.1138, 0.4593, 0.3825



28.1138, 0.1964, 0.3088

Square

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



28.1138, 0.4593, 0.3825



28.1138, 0.3013, 0.4502



28.1138, 0.1845, 0.2501



28.1138, 0.3101, 0.2384

Rectangle

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



28.1138, 0.4593, 0.3825



28.1138, 0.3941, 0.4577



28.1138, 0.1845, 0.2501



28.1138, 0.2263, 0.2164

Sweetspot

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



28.1152, 0.4593, 0.3825



79.8713, 0.3449, 0.3454



21.4546, 0.3736, 0.2332



16.4697, 0.3511, 0.3482



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.



28.1152, 0.4593, 0.3825



39.3643, 0.5045, 0.3878



48.4383, 0.4090, 0.4511



11.8499, 0.3281, 0.3372



11.1501, 0.5813, 0.3766



0.7172, 0.5435, 0.4066

Inverse Universe

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



31.6385, 0.2249, 0.2624



45.5199, 0.2105, 0.2447



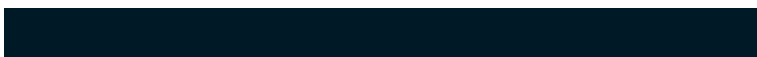
15.3237, 0.2031, 0.1641



12.0355, 0.2983, 0.3206



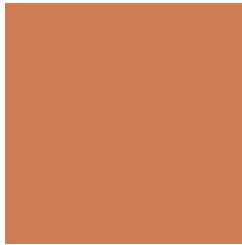
13.3253, 0.1918, 0.2103



0.8268, 0.1989, 0.2362

Previews

White Background



This preview shows how the Yxy color 28.1138, 0.4593, 0.3825 looks on a white background.

Color Contrast Check

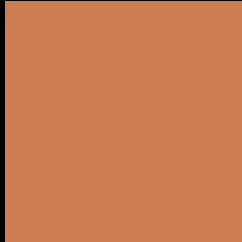
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1138, 0.4593, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

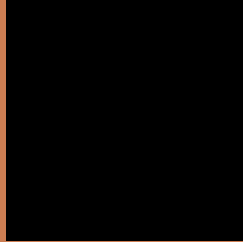
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1138, 0.4593, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 28.1138, 0.4593, 0.3825.



This preview shows how white text looks on a background with the Yxy color 28.1138, 0.4593, 0.3825.

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

28.1138, 0.4593, 0.3825

Protanopia

28.2412, 0.3839, 0.4165

Deuteranopia

28.0886, 0.4209, 0.4129



Tritanopia

28.0176, 0.4109, 0.3178

Trichromacy



Original Color

28.1138, 0.4593, 0.3825

Protanomaly

27.9628, 0.4116, 0.4046

Deuteranomaly

27.9190, 0.4356, 0.4010

Tritanomaly

27.9443, 0.4304, 0.3421

Monochromacy



Original Color

28.1138, 0.4593, 0.3825

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3788, 0.3634, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1138, 0.4593, 0.3825 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(204, 125, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 125, 82)  
}
```

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(204, 125, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 125, 82) }
```

Border

The CSS property to change the border of an element to Yxy 28.1138, 0.4593, 0.3825 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(204, 125, 82) }
```

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

```
.border{ border-color:rgb(204, 125, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 125, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 125, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 125, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 125,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1138, 0.4593, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 125, 82) }
```

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

```
.background{ background-color: rgb(204,  
125, 82) }
```

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