

Converting Colors

$Y_{xy}(28.5457, 0.4703, 0.4123)$

Have a look what the booklet for
Yxy(28.5457, 0.4703, 0.4123)
contains.

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Color

Yxy(28.5709, 0.4710, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	C8823C
RGB	200, 130, 60
RGB Percent	78%, 51%, 24%
CMY	0.2156, 0.4902, 0.7647
CMYK	0.00, 0.35, 0.70, 0.22
HSL	30°, 56%, 51%
HSV	30°, 70%, 78%
XYZ	32.6228, 28.5709, 8.0691
YIQ	142.9500, 64.1900, -6.9300

Conversions

Conversions Part 2

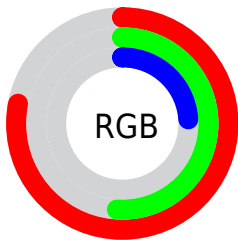
Format	Color
R _Y B	200, 200, 60
Decimal	13140540
CIE Lab	60.40, 20.76, 47.72
CIE LCh	60, 52.040, 66.486
Yxy	28.5709, 0.4710, 0.4125
Android (android.graphics.Color)	4291330620 (0xFFC8823C)
YUV	142.9500, -40.8944, 50.0328
Hunter-Lab	53.4518, 15.4019, 28.4658

Details

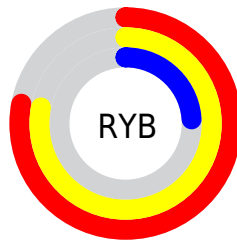
The Yxy color **28.5709, 0.4710, 0.4125** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **21.1043, 0.2047, 0.2131**, and the grayscale version is **27.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2747, 0.4360, 0.4020**, and **11.4132, 0.5154, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **25.8663, 0.4975, 0.4161**, and if you desaturate by 10%, it is **31.6171, 0.4435, 0.4047**.

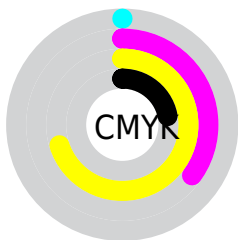
Distribution



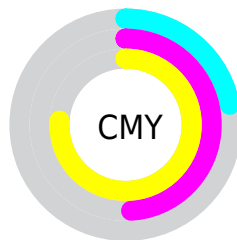
- Red (78%)
- Green (51%)
- Blue (24%)



- Red (78%)
- Yellow (78%)
- Blue (24%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (22%)




- Cyan (22%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5709, 0.4710, 0.4125 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 28.5709, 0.4710, 0.4125 by changing the saturation by 10% instead.


 28.5709, 0.4710,
0.4125


 28.5709, 0.4710,
0.4125


295.1849, 0.3883,
0.3751


 18.7565, 0.4909,
0.4186


 57.3946, 0.4410,
0.4009

 11.4944, 0.5152,
0.4239


 77.1727, 0.4296,
0.3958

 6.4004, 0.5487,
0.4293


 101.0408, 0.4200,
0.3913

 3.0901, 0.5798,
0.4202

 129.3832, 0.4118,
0.3873

 1.1789, 0.6111,
0.3889

 162.5845, 0.4047,
0.3837

 0.0444, 0.9252,
0.0748

 201.0289, 0.3985,

 0.0000, 0.0000,

0.3805

0.0000

245.1009, 0.3931,
0.3776

■ 28.5709, 0.4710,
0.4125

■ 28.5709, 0.4710,
0.4125

■ 25.8663, 0.4975,
0.4161

■ 31.6171, 0.4435,
0.4047

■ 23.4820, 0.5212,
0.4145

■ 35.0157, 0.4165,
0.3938

■ 21.3950, 0.5415,
0.4082

■ 38.7820, 0.3911,
0.3812

■ 42.9288, 0.3679,
0.3679

■ 47.4683, 0.3471,
0.3544

■ 52.4121, 0.3288,
0.3414

■ 57.7709, 0.3127,
0.3290

■ 63.5554, 0.2987,
0.3175

■ 69.7755, 0.2865,
0.3068

Harmonies

Analogous

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



28.5709, 0.4777, 0.3511



28.5709, 0.4710, 0.4125



28.5709, 0.4199, 0.4663

Triad

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



28.5709, 0.4710, 0.4125



28.5709, 0.2026, 0.3558



28.5709, 0.2628, 0.2112

Complementary

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



28.5709, 0.4710, 0.4125



21.1043, 0.2047, 0.2131

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.



28.5709, 0.2028, 0.2023



28.5709, 0.4710, 0.4125



28.5709, 0.1717, 0.2715

Square

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



28.5709, 0.4710, 0.4125



28.5709, 0.2647, 0.4454



28.5709, 0.1724, 0.2205



28.5709, 0.3466, 0.2430

Rectangle

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



28.5709, 0.4710, 0.4125



28.5709, 0.3710, 0.4860



28.5709, 0.1724, 0.2205



28.5709, 0.2396, 0.2055

Sweetspot

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



28.5724, 0.4710, 0.4125



81.1053, 0.3497, 0.3561



17.1894, 0.4201, 0.2437



16.8793, 0.3554, 0.3599



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.



28.5724, 0.4710, 0.4125



42.5588, 0.5103, 0.4160



52.8567, 0.4079, 0.4817



11.4982, 0.3277, 0.3406



13.7790, 0.5394, 0.4099



0.7973, 0.5079, 0.4350

Inverse Universe

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



21.1043, 0.2047, 0.2131



28.8441, 0.1881, 0.1837



8.6128, 0.1794, 0.1101



11.1492, 0.2983, 0.3172



8.6290, 0.1776, 0.1594



0.5535, 0.1881, 0.1973

Previews

White Background



This preview shows how the Yxy color 28.5709, 0.4710, 0.4125 looks on a white background.

Color Contrast Check

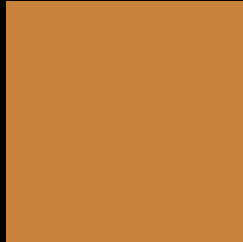
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5709, 0.4710, 0.4125 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 28.5709, 0.4710, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 28.5709, 0.4710, 0.4125.



This preview shows how white text looks on a background with the Yxy color 28.5709, 0.4710, 0.4125.

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

28.5709, 0.4710, 0.4125

Protanopia

28.6208, 0.4090, 0.4479

Deuteranopia

28.7158, 0.4437, 0.4351



Tritanopia

28.5369, 0.4033, 0.3176

Trichromacy



Original Color

28.5709, 0.4710, 0.4125

Protanomaly

28.3452, 0.4321, 0.4347

Deuteranomaly

28.7429, 0.4537, 0.4265

Tritanomaly

28.3837, 0.4318, 0.3552

Monochromacy



Original Color

28.5709, 0.4710, 0.4125

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2617, 0.3696, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5709, 0.4710, 0.4125 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(200, 130, 60)` looks like.

```
.text, #text, p{  
    color:rgb(200, 130, 60)  
}
```

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(200, 130, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 130, 60) }
```

Border

The CSS property to change the border of an element to Yxy 28.5709, 0.4710, 0.4125 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(200, 130, 60) }
```

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

```
.border{ border-color:rgb(200, 130, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 130, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 130, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 130, 60);  
box-shadow:4px 4px 4px 4px rgb(200, 130,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5709, 0.4710, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 130, 60) }
```

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

```
.background{ background-color: rgb(200,  
130, 60) }
```

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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