

Converting Colors

$Y_{xy}(29.7985, 0.4806, 0.4085)$

Have a look what the booklet for
Yxy(29.7985, 0.4806, 0.4085)
contains.

Yxy(29.8363, 0.4807, 0.4090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8363, 0.4807, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	D1823B
RGB	209, 130, 59
RGB Percent	82%, 51%, 23%
CMY	0.1804, 0.4902, 0.7687
CMYK	0.00, 0.38, 0.72, 0.18
HSL	28°, 62%, 53%
HSV	28°, 72%, 82%
XYZ	35.0668, 29.8363, 8.0463
YIQ	145.5270, 69.8750, -5.3330

Conversions

Conversions Part 2

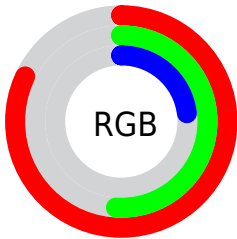
Format	Color
R_{YB}	209, 194, 59
Decimal	13730363
CIE _{Lab}	61.51, 24.50, 49.71
CIE _{LCh}	62, 55.425, 63.762
Yxy	29.8363, 0.4807, 0.4090
Android (android.graphics.Color)	4291920443 (0xFFD1823B)
YUV	145.5270, -42.6578, 55.6658
Hunter-Lab	54.6226, 19.0043, 29.5020

Details

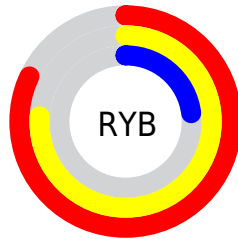
The Yxy color **29.8363, 0.4807, 0.4090** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **23.7052, 0.2039, 0.2159**, and the grayscale version is **28.6976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2528, 0.4368, 0.4029**, and **12.1356, 0.5258, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **26.8896, 0.5082, 0.4111**, and if you desaturate by 10%, it is **33.1861, 0.4519, 0.4024**.

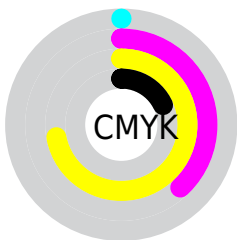
Distribution



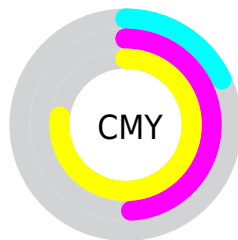
- Red (82%)
- Green (51%)
- Blue (23%)



- Red (82%)
- Yellow (76%)
- Blue (23%)



- Cyan (0%)
- Magenta (38%)
- Yellow (72%)
- Black (18%)





- Cyan (18%)
- Magenta (49%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8363, 0.4807, 0.4090 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 29.8363, 0.4807, 0.4090 by changing the saturation by 10% instead.


 29.8363, 0.4807,
0.4090


 29.8363, 0.4807,
0.4090


301.1407, 0.3937,
0.3748


 19.7144, 0.5014,
0.4139


 59.4032, 0.4494,
0.3989

 12.1876, 0.5263,
0.4173


 79.6170, 0.4374,
0.3943

 6.8716, 0.5603,
0.4200


 103.9634, 0.4273,
0.3902

 3.3819, 0.5921,
0.4079

 132.8271, 0.4186,
0.3864

 1.3342, 0.6254,
0.3746

 166.5922, 0.4111,
0.3830

 0.1675, 0.8189,
0.1811

 205.6432, 0.4046,

 0.0000, 0.0000,

0.3800

0.0000

250.3646, 0.3988,
0.3772

■ 29.8363, 0.4807,
0.4090

■ 29.8363, 0.4807,
0.4090

■ 26.8896, 0.5082,
0.4111

■ 33.1861, 0.4519,
0.4024

■ 24.3204, 0.5325,
0.4078

■ 36.9530, 0.4236,
0.3927

■ 22.4685, 0.5498,
0.4017

■ 41.1555, 0.3970,
0.3809

■ 45.8095, 0.3727,
0.3683

■ 50.9298, 0.3511,
0.3554

■ 56.5307, 0.3320,
0.3429

■ 62.6254, 0.3154,
0.3310

■ 69.2268, 0.3010,
0.3199

■ 76.3473, 0.2885,
0.3097

Harmonies

Analogous

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



29.8363, 0.4835, 0.3452



29.8363, 0.4807, 0.4090



29.8363, 0.4300, 0.4675

Triad

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



29.8363, 0.4807, 0.4090



29.8363, 0.2021, 0.3660



29.8363, 0.2534, 0.2047

Complementary

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



29.8363, 0.4807, 0.4090



23.7052, 0.2039, 0.2159

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.



29.8363, 0.1941, 0.1977



29.8363, 0.4807, 0.4090



29.8363, 0.1674, 0.2749

Square

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



29.8363, 0.4807, 0.4090



29.8363, 0.2690, 0.4589



29.8363, 0.1656, 0.2189



29.8363, 0.3394, 0.2356

Rectangle

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



29.8363, 0.4807, 0.4090



29.8363, 0.3800, 0.4920



29.8363, 0.1656, 0.2189



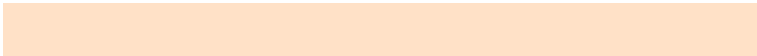
29.8363, 0.2302, 0.1995

Sweetspot

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



29.8378, 0.4807, 0.4090



79.4774, 0.3520, 0.3560



18.5461, 0.4204, 0.2398



16.5262, 0.3577, 0.3595



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.



29.8378, 0.4807, 0.4090



40.0012, 0.5214, 0.4101



57.0577, 0.4114, 0.4822



12.7180, 0.3279, 0.3400



14.0476, 0.5474, 0.4035



0.9438, 0.5179, 0.4270

Inverse Universe

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



23.7052, 0.2039, 0.2159



29.7815, 0.1885, 0.1880



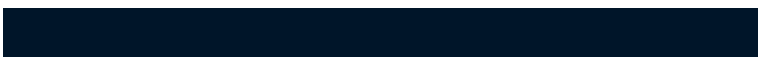
9.1983, 0.1768, 0.1074



12.4333, 0.2983, 0.3177



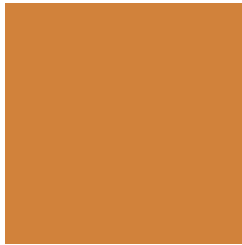
9.9209, 0.1800, 0.1679



0.7130, 0.1888, 0.1998

Previews

White Background



This preview shows how the Yxy color 29.8363, 0.4807, 0.4090 looks on a white background.

Color Contrast Check

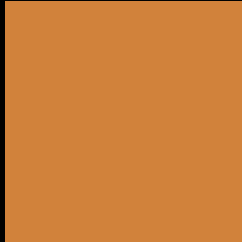
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8363, 0.4807, 0.4090 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 29.8363, 0.4807, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 29.8363, 0.4807, 0.4090.



This preview shows how white text looks on a background with the Yxy color 29.8363, 0.4807, 0.4090.

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

29.8363, 0.4807, 0.4090

Protanopia

29.9835, 0.4109, 0.4492

Deuteranopia

30.0706, 0.4463, 0.4381



Tritanopia

29.7039, 0.4123, 0.3181

Trichromacy



Original Color

29.8363, 0.4807, 0.4090

Protanomaly

29.6500, 0.4368, 0.4337

Deuteranomaly

29.9417, 0.4584, 0.4279

Tritanomaly

29.6842, 0.4416, 0.3540

Monochromacy



Original Color

29.8363, 0.4807, 0.4090

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4061, 0.3734, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8363, 0.4807, 0.4090 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(209, 130, 59)` looks like.

```
.text, #text, p{  
    color:rgb(209, 130, 59)  
}
```

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(209, 130, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 130, 59) }
```

Border

The CSS property to change the border of an element to Yxy 29.8363, 0.4807, 0.4090 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(209, 130, 59) }
```

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

```
.border{ border-color:rgb(209, 130, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 130, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 130, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 130, 59);  
box-shadow:4px 4px 4px 4px rgb(209, 130,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8363, 0.4807, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 130, 59) }
```

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

```
.background{ background-color: rgb(209,  
130, 59) }
```

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