

Converting Colors

$Y_{xy}(31.1776, 0.4937, 0.4070)$

Have a look what the booklet for
Yxy(31.1776, 0.4937, 0.4070)
contains.

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Color

Yxy(31.3012, 0.4930, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	DB8237
RGB	219, 130, 55
RGB Percent	86%, 51%, 22%
CMY	0.1412, 0.4902, 0.7842
CMYK	0.00, 0.41, 0.75, 0.14
HSL	27°, 69%, 54%
HSV	27°, 75%, 86%
XYZ	37.8873, 31.3012, 7.6620
YIQ	148.0610, 77.1190, -4.4570

Conversions

Conversions Part 2

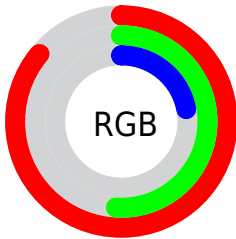
Format	Color
R _Y B	219, 193, 55
Decimal	14385719
CIE Lab	62.76, 28.49, 53.22
CIE LCh	63, 60.370, 61.840
Yxy	31.3012, 0.4930, 0.4073
Android (android.graphics.Color)	4292575799 (0xFFDB8237)
YUV	148.0610, -45.8791, 62.2135
Hunter-Lab	55.9475, 22.9710, 31.0435

Details

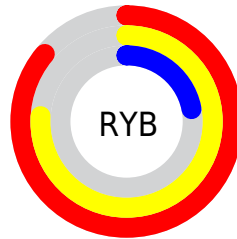
The Yxy color **31.3012, 0.4930, 0.4073** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **25.8820, 0.2012, 0.2140**, and the grayscale version is **29.8141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5816, 0.4390, 0.4073**, and **13.0064, 0.5371, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **28.1555, 0.5206, 0.4073**, and if you desaturate by 10%, it is **34.9086, 0.4635, 0.4024**.

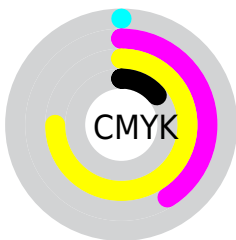
Distribution



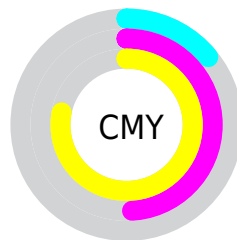
- Red (86%)
- Green (51%)
- Blue (22%)



- Red (86%)
- Yellow (76%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)
- Black (14%)





- Cyan (14%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3012, 0.4930, 0.4073 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 31.3012, 0.4930, 0.4073 by changing the saturation by 10% instead.


 31.3012, 0.4930,
0.4073


 31.3012, 0.4930,
0.4073


307.9235, 0.4009,
0.3759


 20.8283, 0.5143,
0.4109


 61.7140, 0.4603,
0.3987


 12.9986, 0.5396,
0.4124


 82.4226, 0.4476,
0.3946


 7.4276, 0.5745,
0.4128


 107.3120, 0.4369,
0.3907

 3.7309, 0.6039,
0.3961

 136.7665, 0.4276,
0.3872

 1.5242, 0.6387,
0.3613

 171.1705, 0.4196,
0.3839

 0.3057, 0.7649,
0.2351

 210.9085, 0.4126,

 0.0000, 0.0000,

0.3810

0.0000

256.3647, 0.4064,
0.3783

■ 31.3012, 0.4930,
0.4073

■ 31.3012, 0.4930,
0.4073

■ 28.1555, 0.5206,
0.4073

■ 34.9086, 0.4635,
0.4024

■ 25.4409, 0.5442,
0.4018


■ 38.9956, 0.4341,
0.3939


■ 24.2016, 0.5550,
0.3975


■ 43.5845, 0.4062,
0.3830

■ 48.6944, 0.3807,
0.3709

■ 54.3433, 0.3579,
0.3585

 60.5481, 0.3378,
0.3462

 67.3249, 0.3204,
0.3345

 74.6892, 0.3052,
0.3235

 82.6556, 0.2922,
0.3133

Harmonies

Analogous

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



31.3012, 0.4934, 0.3404



31.3012, 0.4930, 0.4073



31.3012, 0.4405, 0.4715

Triad

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



31.3012, 0.4930, 0.4073



31.3012, 0.1983, 0.3753



31.3012, 0.2443, 0.1964

Complementary

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



31.3012, 0.4930, 0.4073



25.8820, 0.2012, 0.2140

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.



31.3012, 0.1842, 0.1906



31.3012, 0.4930, 0.4073



31.3012, 0.1602, 0.2755

Square

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



31.3012, 0.4930, 0.4073



31.3012, 0.2704, 0.4746



31.3012, 0.1566, 0.2143



31.3012, 0.3344, 0.2273

Rectangle

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



31.3012, 0.4930, 0.4073



31.3012, 0.3881, 0.5013



31.3012, 0.1566, 0.2143



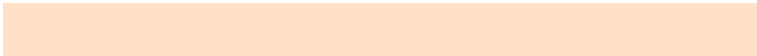
31.3012, 0.2206, 0.1915

Sweetspot

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



31.3028, 0.4930, 0.4073



78.9870, 0.3522, 0.3551



19.8464, 0.4232, 0.2352



16.4108, 0.3580, 0.3585



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.



31.3028, 0.4930, 0.4073



37.4141, 0.5351, 0.4047



61.8289, 0.4161, 0.4841



14.0275, 0.3280, 0.3397



14.5632, 0.5525, 0.3995



1.1144, 0.5253, 0.4211

Inverse Universe

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



25.8820, 0.2012, 0.2140



29.2660, 0.1867, 0.1860



9.5074, 0.1725, 0.1015



13.7823, 0.2982, 0.3180



11.0584, 0.1814, 0.1730



0.8880, 0.1891, 0.2006

Previews

White Background



This preview shows how the Yxy color 31.3012, 0.4930, 0.4073 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.3012, 0.4930, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

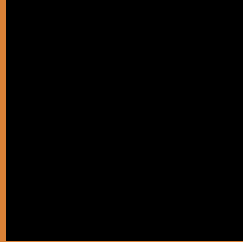
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3012, 0.4930, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 31.3012, 0.4930, 0.4073.



This preview shows how white text looks on a background with the Yxy color 31.3012, 0.4930, 0.4073.

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

31.3012, 0.4930, 0.4073

Protanopia

31.6654, 0.4146, 0.4557

Deuteranopia

31.4370, 0.4507, 0.4433



Tritanopia

31.2457, 0.4231, 0.3187

Trichromacy



Original Color

31.3012, 0.4930, 0.4073

Protanomaly

31.2579, 0.4432, 0.4377

Deuteranomaly

31.4216, 0.4668, 0.4303

Tritanomaly

31.1761, 0.4544, 0.3550

Monochromacy



Original Color

31.3012, 0.4930, 0.4073

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2633, 0.3787, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3012, 0.4930, 0.4073 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(219, 130, 55)` looks like.

```
.text, #text, p{  
    color:rgb(219, 130, 55)  
}
```

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(219, 130, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 130, 55) }
```

Border

The CSS property to change the border of an element to Yxy 31.3012, 0.4930, 0.4073 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(219, 130, 55) }
```

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

```
.border{ border-color:rgb(219, 130, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 130, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 130, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 130, 55);  
box-shadow:4px 4px 4px 4px rgb(219, 130,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3012, 0.4930, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 130, 55) }
```

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

```
.background{ background-color: rgb(219,  
130, 55) }
```

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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