

Converting Colors

$Y_{xy}(31.0024, 0.4827, 0.4070)$

Have a look what the booklet for
Yxy(31.0024, 0.4827, 0.4070)
contains.

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Color

Yxy(30.8657, 0.4828, 0.4062)

Conversions

Conversions Part 1

Format	Color
Hex	D6833D
RGB	214, 131, 61
RGB Percent	84%, 51%, 24%
CMY	0.1608, 0.4862, 0.7609
CMYK	0.00, 0.39, 0.72, 0.16
HSL	27°, 65%, 54%
HSV	27°, 72%, 84%
XYZ	36.6863, 30.8657, 8.4345
YIQ	147.8370, 71.9380, -4.1740

Conversions

Conversions Part 2

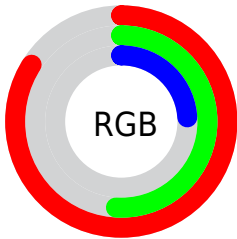
Format	Color
R_{YB}	214, 190, 61
Decimal	14058301
CIE _{Lab}	62.39, 26.14, 49.91
CIE _{LCh}	62, 56.338, 62.353
Yxy	30.8657, 0.4828, 0.4062
Android (android.graphics.Color)	4292248381 (0xFFD6833D)
YUV	147.8370, -42.8106, 58.0250
Hunter-Lab	55.5569, 20.6455, 29.8886

Details

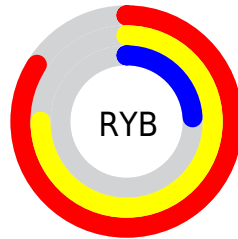
The Yxy color **30.8657, 0.4828, 0.4062** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **25.7734, 0.2051, 0.2201**, and the grayscale version is **29.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7108, 0.4346, 0.4020**, and **12.7680, 0.5285, 0.4139** is the 20% darker color. If you saturate the color by 10%, you get **27.7363, 0.5112, 0.4080**, and if you desaturate by 10%, it is **34.4393, 0.4532, 0.3999**.

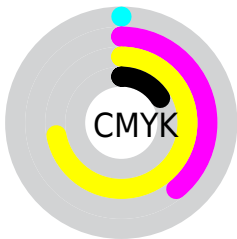
Distribution



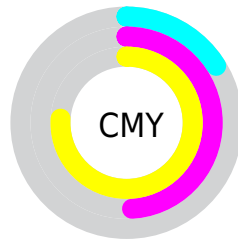
- Red (84%)
- Green (51%)
- Blue (24%)



- Red (84%)
- Yellow (75%)
- Blue (24%)



- Cyan (0%)
- Magenta (39%)
- Yellow (72%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8657, 0.4828, 0.4062 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 30.8657, 0.4828, 0.4062 by changing the saturation by 10% instead.


 30.8657, 0.4828,
0.4062


 30.8657, 0.4828,
0.4062


305.9191, 0.3951,
0.3738

 20.4966, 0.5036,
0.4106


 61.0286, 0.4513,
0.3968

 12.7565, 0.5287,
0.4135


 81.5911, 0.4392,
0.3925


 7.2611, 0.5616,
0.4146


 106.3203, 0.4290,
0.3885

 3.6259, 0.5961,
0.4039

 135.6005, 0.4202,
0.3850

 1.4666, 0.6295,
0.3705

 169.8161, 0.4127,
0.3817

 0.2650, 0.7707,
0.2293

 209.3514, 0.4060,

 0.0000, 0.0000,

0.3788

0.0000

254.5910, 0.4002,
0.3762

■ 30.8657, 0.4828,
0.4062

■ 30.8657, 0.4828,
0.4062

■ 27.7363, 0.5112,
0.4080

■ 34.4393, 0.4532,
0.3999

■ 25.0232, 0.5363,
0.4045

■ 38.4730, 0.4243,
0.3904

■ 23.0210, 0.5546,
0.3978

■ 42.9874, 0.3972,
0.3790

■ 48.0001, 0.3726,
0.3667

■ 53.5277, 0.3508,
0.3543

■ 59.5860, 0.3316,
0.3422

■ 66.1898, 0.3150,
0.3307

■ 73.3536, 0.3006,
0.3199

■ 81.0909, 0.2882,
0.3100

Harmonies

Analogous

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



30.8657, 0.4830, 0.3422



30.8657, 0.4828, 0.4062



30.8657, 0.4336, 0.4657

Triad

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



30.8657, 0.4828, 0.4062



30.8657, 0.2041, 0.3709



30.8657, 0.2497, 0.2033

Complementary

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



30.8657, 0.4828, 0.4062



25.7734, 0.2051, 0.2201

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.



30.8657, 0.1916, 0.1975



30.8657, 0.4828, 0.4062



30.8657, 0.1677, 0.2782

Square

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



30.8657, 0.4828, 0.4062



30.8657, 0.2725, 0.4630



30.8657, 0.1644, 0.2202



30.8657, 0.3351, 0.2332

Rectangle

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



30.8657, 0.4828, 0.4062



30.8657, 0.3840, 0.4918



30.8657, 0.1644, 0.2202



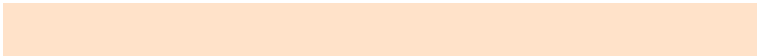
30.8657, 0.2268, 0.1985

Sweetspot

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



30.8673, 0.4828, 0.4062



79.8712, 0.3501, 0.3539



19.6764, 0.4158, 0.2370



16.5868, 0.3559, 0.3574



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.



30.8673, 0.4828, 0.4062



39.0191, 0.5252, 0.4068



58.9339, 0.4131, 0.4800



13.3480, 0.3280, 0.3397



14.1198, 0.5522, 0.3998



1.0160, 0.5234, 0.4226

Inverse Universe

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



25.7734, 0.2051, 0.2201



30.9029, 0.1898, 0.1928



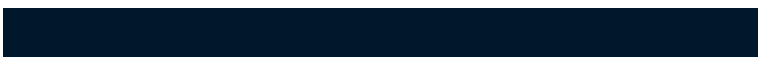
10.0552, 0.1778, 0.1106



13.1132, 0.2982, 0.3181



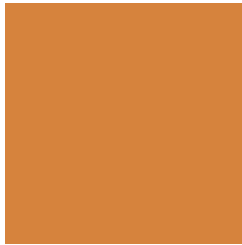
10.7001, 0.1814, 0.1730



0.8101, 0.1895, 0.2023

Previews

White Background



This preview shows how the Yxy color 30.8657, 0.4828, 0.4062 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 30.8657, 0.4828, 0.4062 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 30.8657, 0.4828, 0.4062

Background



This preview shows how black text looks on a background with the Yxy color 30.8657, 0.4828, 0.4062.



This preview shows how white text looks on a background with the Yxy color 30.8657, 0.4828, 0.4062.

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

30.8657, 0.4828, 0.4062

Protanopia

31.1866, 0.4090, 0.4493

Deuteranopia

31.0607, 0.4467, 0.4378



Tritanopia

30.7373, 0.4160, 0.3184

Trichromacy



Original Color

30.8657, 0.4828, 0.4062

Protanomaly

30.6425, 0.4365, 0.4324

Deuteranomaly

30.7765, 0.4607, 0.4260

Tritanomaly

30.7140, 0.4450, 0.3534

Monochromacy



Original Color

30.8657, 0.4828, 0.4062

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.3776, 0.3737, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8657, 0.4828, 0.4062 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(214, 131, 61)` looks like.

```
.text, #text, p{  
    color:rgb(214, 131, 61)  
}
```

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(214, 131, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 131, 61) }
```

Border

The CSS property to change the border of an element to Yxy 30.8657, 0.4828, 0.4062 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(214, 131, 61) }
```

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

```
.border{ border-color:rgb(214, 131, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 131, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 131, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 131, 61);  
box-shadow:4px 4px 4px 4px rgb(214, 131,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8657, 0.4828, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 131, 61) }
```

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

```
.background{ background-color: rgb(214,  
131, 61) }
```

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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