

Converting Colors

$Y_{xy}(30.2762, 0.4906, 0.3926)$

Have a look what the booklet for
Yxy(30.2762, 0.4906, 0.3926)
contains.

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Color

Yxy(30.2762, 0.4906, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	DC7D42
RGB	220, 125, 66
RGB Percent	86%, 49%, 26%
CMY	0.1372, 0.5098, 0.7411
CMYK	0.00, 0.43, 0.70, 0.14
HSL	23°, 69%, 56%
HSV	23°, 70%, 86%
XYZ	37.8337, 30.2762, 9.0073
YIQ	146.6790, 75.5590, 1.7910

Conversions

Conversions Part 2

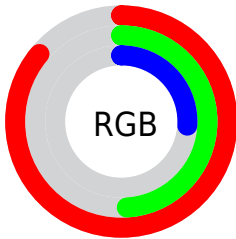
Format	Color
RYB	220, 162, 66
Decimal	14449986
CIELab	61.89, 32.06, 47.15
CIELCh	62, 57.021, 55.784
Yxy	30.2762, 0.4906, 0.3926
Android (android.graphics.Color)	4292640066 (0xFFDC7D42)
YUV	146.6790, -39.7747, 64.3025
Hunter-Lab	55.0238, 26.4427, 28.8110

Details

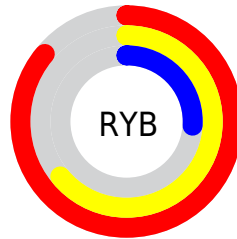
The Yxy color **30.2762, 0.4906, 0.3926** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **31.8245, 0.2113, 0.2409**, and the grayscale version is **29.1837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7612, 0.4348, 0.3935**, and **12.5431, 0.5403, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **26.8611, 0.5231, 0.3936**, and if you desaturate by 10%, it is **34.2640, 0.4574, 0.3875**.

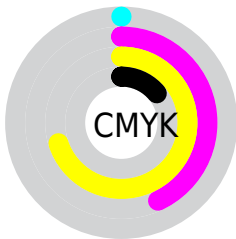
Distribution



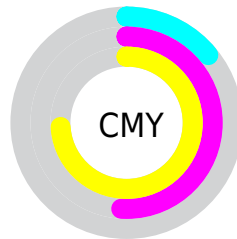
- Red (86%)
- Green (49%)
- Blue (26%)



- Red (86%)
- Yellow (64%)
- Blue (26%)



- Cyan (0%)
- Magenta (43%)
- Yellow (70%)
- Black (14%)





- Cyan (14%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2762, 0.4906, 0.3926 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 30.2762, 0.4906, 0.3926 by changing the saturation by 10% instead.


 30.2762, 0.4906,
0.3926


 30.2762, 0.4906,
0.3926


303.1898, 0.3978,
0.3675


 20.0483, 0.5131,
0.3952


 60.0987, 0.4569,
0.3859


 12.4302, 0.5408,
0.3959


 80.4621, 0.4441,
0.3826


 7.0374, 0.5762,
0.3932


 104.9728, 0.4333,
0.3795

 3.4855, 0.6194,
0.3806

 134.0152, 0.4241,
0.3766

 1.3901, 0.6589,
0.3411

 167.9738, 0.4162,
0.3740

 0.2094, 0.8253,
0.1747

207.2327, 0.4093,

 0.0000, 0.0000,

0.3716

0.0000

252.1766, 0.4032,
0.3695

■ 30.2762, 0.4906,
0.3926

■ 30.2762, 0.4906,
0.3926

■ 26.8611, 0.5231,
0.3936

■ 34.2640, 0.4574,
0.3875

■ 23.9827, 0.5522,
0.3894

■ 38.8476, 0.4257,
0.3794

■ 21.6009, 0.5763,
0.3806

■ 44.0547, 0.3966,
0.3697

■ 21.5988, 0.5763,
0.3806

■ 49.9094, 0.3709,
0.3592

■ 56.4343, 0.3485,
0.3487

■ 63.6511, 0.3292,
0.3386

■ 71.5802, 0.3127,
0.3290

■ 80.2413, 0.2986,
0.3201

■ 89.0581, 0.2915,
0.3210

Harmonies

Analogous

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



30.2762, 0.4781, 0.3282



30.2762, 0.4906, 0.3926



30.2762, 0.4494, 0.4555

Triad

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



30.2762, 0.4906, 0.3926



30.2762, 0.2149, 0.3945



30.2762, 0.2329, 0.1979

Complementary

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



30.2762, 0.4906, 0.3926



31.8245, 0.2113, 0.2409

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.



30.2762, 0.1810, 0.1978



30.2762, 0.4906, 0.3926



30.2762, 0.1705, 0.2952

Square

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



30.2762, 0.4906, 0.3926



30.2762, 0.2897, 0.4799



30.2762, 0.1603, 0.2279



30.2762, 0.3147, 0.2232

Rectangle

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



30.2762, 0.4906, 0.3926



30.2762, 0.4023, 0.4878



30.2762, 0.1603, 0.2279



30.2762, 0.2121, 0.1949

Sweetspot

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



30.2778, 0.4906, 0.3926



77.7204, 0.3510, 0.3499



21.7792, 0.3930, 0.2245



16.0783, 0.3570, 0.3529



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.



30.2778, 0.4906, 0.3926



35.5465, 0.5374, 0.3923



56.6747, 0.4214, 0.4679



13.8651, 0.3282, 0.3380



12.8754, 0.5736, 0.3828



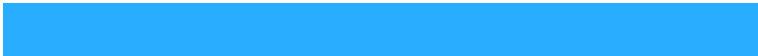
0.9977, 0.5432, 0.4069

Inverse Universe

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



31.8245, 0.2113, 0.2409



37.5568, 0.1976, 0.2190



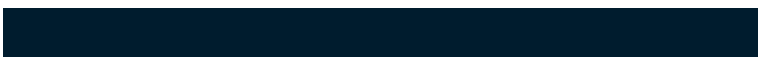
13.0708, 0.1838, 0.1296



13.9482, 0.2982, 0.3198



13.5442, 0.1886, 0.1990



1.0422, 0.1952, 0.2225

Previews

White Background



This preview shows how the Yxy color 30.2762, 0.4906, 0.3926 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 30.2762, 0.4906, 0.3926 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 30.2762, 0.4906, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 30.2762, 0.4906, 0.3926.



This preview shows how white text looks on a background with the Yxy color 30.2762, 0.4906, 0.3926.

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

30.2762, 0.4906, 0.3926

Protanopia

30.4141, 0.4029, 0.4397

Deuteranopia

30.4318, 0.4409, 0.4337



Tritanopia

30.1771, 0.4303, 0.3187

Trichromacy



Original Color

30.2762, 0.4906, 0.3926

Protanomaly

29.9438, 0.4356, 0.4219

Deuteranomaly

29.9730, 0.4600, 0.4180

Tritanomaly

30.2243, 0.4549, 0.3480

Monochromacy



Original Color

30.2762, 0.4906, 0.3926

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.7719, 0.3752, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2762, 0.4906, 0.3926 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(220, 125, 66)` looks like.

```
.text, #text, p{  
    color:rgb(220, 125, 66)  
}
```

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(220, 125, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 125, 66) }
```

Border

The CSS property to change the border of an element to Yxy 30.2762, 0.4906, 0.3926 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(220, 125, 66) }
```

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

```
.border{ border-color:rgb(220, 125, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 125, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 125, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 125, 66);  
box-shadow:4px 4px 4px 4px rgb(220, 125,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2762, 0.4906, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 125, 66) }
```

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

```
.background{ background-color: rgb(220,  
125, 66) }
```

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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