

Converting Colors

$Y_{xy}(30.5879, 0.4378, 0.3784)$

Have a look what the booklet for
Yxy(30.5879, 0.4378, 0.3784)
contains.

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Color

Yxy(30.7138, 0.4377, 0.3788)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | CC865F |
| RGB | 204, 134, 95 |
| RGB Percent | 80%, 53%, 37% |
| CMY | 0.2000, 0.4745, 0.6275 |
| CMYK | 0.00, 0.34, 0.53, 0.20 |
| HSL | 21°, 52%, 59% |
| HSV | 21°, 53%, 80% |
| XYZ | 35.4895, 30.7138, 14.8785 |
| YIQ | 150.4840, 54.2390, 2.7110 |

Conversions

Conversions Part 2

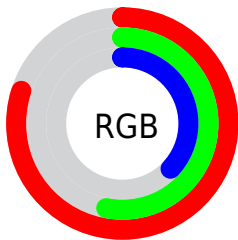
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 204, 156, 95 |
| Decimal | 13403743 |
| CIE _{Lab} | 62.27, 22.70, 31.93 |
| CIE _{LCh} | 62, 39.171, 54.592 |
| Yxy | 30.7138, 0.4377, 0.3788 |
| Android (android.graphics.Color) | 4291593823 (0xFFCC865F) |
| YUV | 150.4840, -27.3536, 46.9335 |
| Hunter-Lab | 55.4200, 17.3216, 22.8765 |

Details

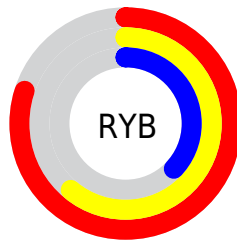
The Yxy color **30.7138, 0.4377, 0.3788** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **33.6844, 0.2328, 0.2698**, and the grayscale version is **30.8173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3018, 0.4052, 0.3731**, and **12.6650, 0.4766, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **26.9930, 0.4710, 0.3855**, and if you desaturate by 10%, it is **34.9831, 0.4070, 0.3702**.

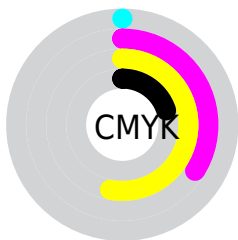
Distribution



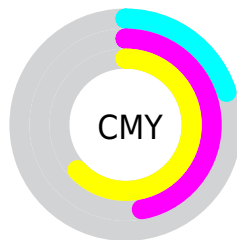
- Red (80%)
- Green (53%)
- Blue (37%)



- Red (80%)
- Yellow (61%)
- Blue (37%)



- Cyan (0%)
- Magenta (34%)
- Yellow (53%)
- Black (20%)





- Cyan (20%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7138, 0.4377, 0.3788 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 30.7138, 0.4377, 0.3788 by changing the saturation by 10% instead.

 30.7138, 0.4377,
0.3788

 30.7138, 0.4377,
0.3788


305.2176, 0.3710,
0.3559

 20.3810, 0.4552,
0.3833


 60.7892, 0.4127,
0.3713


 12.6723, 0.4780,
0.3879


 81.3006, 0.4035,
0.3682

 7.2033, 0.5082,
0.3919


 105.9736, 0.3958,
0.3654

 3.5896, 0.5541,
0.3960

 135.1928, 0.3893,
0.3630

 1.4467, 0.6134,
0.3866

169.3423, 0.3838,
0.3609

 0.2508, 0.7596,
0.2404


208.8067, 0.3789,


 0.0000, 0.0000,


0.3591


0.0000

253.9704, 0.3747,
0.3574


 30.7138, 0.4377,
0.3788

 30.7138, 0.4377,
0.3788


 26.9930, 0.4710,
0.3855


 34.9831, 0.4070,
0.3702

 23.7919, 0.5053,
0.3889


 39.8185, 0.3797,
0.3606


 21.0858, 0.5381,
0.3879

 45.2428, 0.3559,
0.3507

 18.8456, 0.5664,
0.3817

 51.2756, 0.3355,
0.3411

 17.6069, 0.5824,
0.3758

 57.9360, 0.3181,
0.3320

■ 65.2419, 0.3033,
0.3235

■ 73.2106, 0.2907,
0.3157

■ 81.6530, 0.2816,
0.3118

■ 89.5902, 0.2825,
0.3257

Harmonies

Analogous

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



30.7138, 0.4247, 0.3306



30.7138, 0.4377, 0.3788



30.7138, 0.4138, 0.4213

Triad

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



30.7138, 0.4377, 0.3788



30.7138, 0.2472, 0.3760



30.7138, 0.2550, 0.2329

Complementary

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



30.7138, 0.4377, 0.3788



33.6844, 0.2328, 0.2698

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.



30.7138, 0.2163, 0.2352



30.7138, 0.4377, 0.3788



30.7138, 0.2117, 0.3112

Square

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



30.7138, 0.4377, 0.3788



30.7138, 0.3025, 0.4288



30.7138, 0.2014, 0.2611



30.7138, 0.3130, 0.2511

Rectangle

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



30.7138, 0.4377, 0.3788



30.7138, 0.3823, 0.4397



30.7138, 0.2014, 0.2611



30.7138, 0.2396, 0.2312

Sweetspot

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



30.7153, 0.4377, 0.3788



82.0587, 0.3408, 0.3437



23.7633, 0.3647, 0.2417



17.1125, 0.3450, 0.3457



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.



30.7153, 0.4377, 0.3788



43.9183, 0.4758, 0.3862



49.4734, 0.3994, 0.4404



11.8602, 0.3281, 0.3374



11.2443, 0.5798, 0.3778



0.7228, 0.5423, 0.4076

Inverse Universe

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



33.6844, 0.2328, 0.2698



49.2183, 0.2188, 0.2545



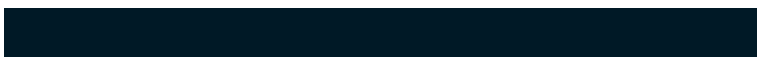
18.2316, 0.2153, 0.1840



12.0249, 0.2983, 0.3205



13.1342, 0.1912, 0.2083



0.8179, 0.1985, 0.2346

Previews

White Background



This preview shows how the Yxy color 30.7138, 0.4377, 0.3788 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 30.7138, 0.4377, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

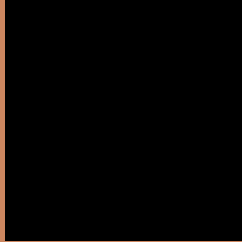
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7138, 0.4377, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 30.7138, 0.4377, 0.3788.



This preview shows how white text looks on a background with the Yxy color 30.7138, 0.4377, 0.3788.

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

30.7138, 0.4377, 0.3788

Protanopia

30.9850, 0.3747, 0.4035

Deuteranopia

30.8041, 0.4092, 0.4004



Tritanopia

30.5387, 0.3941, 0.3164

Trichromacy



Original Color

30.7138, 0.4377, 0.3788

Protanomaly

30.7354, 0.3980, 0.3950

Deuteranomaly

30.6407, 0.4200, 0.3913

Tritanomaly

30.4922, 0.4115, 0.3396

Monochromacy



Original Color

30.7138, 0.4377, 0.3788

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.1043, 0.3556, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7138, 0.4377, 0.3788 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(204, 134, 95)` looks like.

```
.text, #text, p{  
    color:rgb(204, 134, 95)  
}
```

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(204, 134, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 134, 95) }
```

Border

The CSS property to change the border of an element to Yxy 30.7138, 0.4377, 0.3788 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(204, 134, 95) }
```

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

```
.border{ border-color:rgb(204, 134, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 134, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 134, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 134, 95);  
box-shadow:4px 4px 4px 4px rgb(204, 134,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7138, 0.4377, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 134, 95) }
```

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

```
.background{ background-color: rgb(204,  
134, 95) }
```

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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