

Converting Colors

$Y_{xy}(30.0306, 0.4363, 0.3769)$

Have a look what the booklet for
Yxy(30.0306, 0.4363, 0.3769)
contains.

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Color

Yxy(30.1578, 0.4363, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	CA855F
RGB	202, 133, 95
RGB Percent	79%, 52%, 37%
CMY	0.2079, 0.4784, 0.6274
CMYK	0.00, 0.34, 0.53, 0.21
HSL	21°, 50%, 58%
HSV	21°, 53%, 79%
XYZ	34.8091, 30.1578, 14.8156
YIQ	149.2990, 53.3220, 2.8100

Conversions

Conversions Part 2

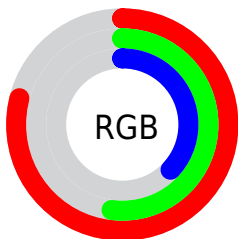
Format	Color
R _Y B	202, 154, 95
Decimal	13272415
CIE Lab	61.79, 22.43, 31.25
CIE LCh	62, 38.467, 54.336
Yxy	30.1578, 0.4363, 0.3780
Android (android.graphics.Color)	4291462495 (0xFFCA855F)
YUV	149.2990, -26.7694, 46.2188
Hunter-Lab	54.9161, 17.0408, 22.4457

Details

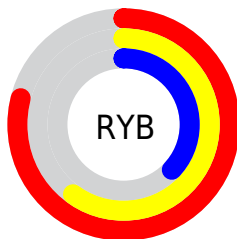
The Yxy color **30.1578, 0.4363, 0.3780** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **33.2472, 0.2336, 0.2710**, and the grayscale version is **30.2868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4531, 0.4062, 0.3710**, and **12.4197, 0.4766, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **26.4899, 0.4696, 0.3847**, and if you desaturate by 10%, it is **34.3663, 0.4057, 0.3694**.

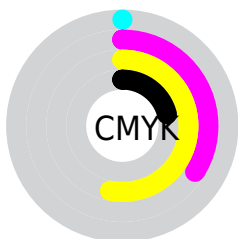
Distribution



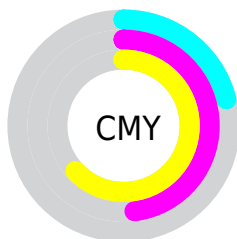
- Red (79%)
- Green (52%)
- Blue (37%)



- Red (79%)
- Yellow (60%)
- Blue (37%)



- Cyan (0%)
- Magenta (34%)
- Yellow (53%)
- Black (21%)





- Cyan (21%)
- Magenta (48%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1578, 0.4363, 0.3780 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 30.1578, 0.4363, 0.3780 by changing the saturation by 10% instead.


 30.1578, 0.4363,
0.3780


 30.1578, 0.4363,
0.3780


302.6393, 0.3701,
0.3553


 19.9584, 0.4538,
0.3825


 59.9116, 0.4114,
0.3705

 12.3648, 0.4766,
0.3871


 80.2349, 0.4023,
0.3674

 6.9926, 0.5070,
0.3912


 104.7015, 0.3947,
0.3647

 3.4575, 0.5538,
0.3957

 133.6959, 0.3882,
0.3624

 1.3750, 0.6140,
0.3860

167.6025, 0.3827,
0.3603

 0.1982, 0.7878,
0.2122

206.8056, 0.3780,

 0.0000, 0.0000,

0.3585

0.0000

251.6898, 0.3738,
0.3568

■ 30.1578, 0.4363,
0.3780

■ 30.1578, 0.4363,
0.3780

■ 26.4899, 0.4696,
0.3847

■ 34.3663, 0.4057,
0.3694

■ 23.3343, 0.5040,
0.3883

■ 39.1328, 0.3785,
0.3598

■ 20.6669, 0.5371,
0.3875

■ 44.4796, 0.3549,
0.3501

■ 18.4590, 0.5658,
0.3816

■ 50.4261, 0.3346,
0.3406

■ 17.1568, 0.5830,
0.3753

■ 56.9909, 0.3173,
0.3316

■ 64.1918, 0.3026,
0.3232

■ 72.0458, 0.2901,
0.3155

■ 80.4652, 0.2803,
0.3101

■ 88.2926, 0.2813,
0.3239

Harmonies

Analogous

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



30.1578, 0.4231, 0.3303



30.1578, 0.4363, 0.3780



30.1578, 0.4130, 0.4201

Triad

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



30.1578, 0.4363, 0.3780



30.1578, 0.2484, 0.3760



30.1578, 0.2553, 0.2338

Complementary

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



30.1578, 0.4363, 0.3780



33.2472, 0.2336, 0.2710

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.



30.1578, 0.2171, 0.2363



30.1578, 0.4363, 0.3780



30.1578, 0.2130, 0.3120

Square

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



30.1578, 0.4363, 0.3780



30.1578, 0.3032, 0.4278



30.1578, 0.2025, 0.2622



30.1578, 0.3125, 0.2517

Rectangle

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



30.1578, 0.4363, 0.3780



30.1578, 0.3821, 0.4383



30.1578, 0.2025, 0.2622



30.1578, 0.2401, 0.2322

Sweetspot

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



30.1593, 0.4363, 0.3780



81.9929, 0.3409, 0.3436



23.4425, 0.3640, 0.2424



17.0970, 0.3450, 0.3456



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.



30.1593, 0.4363, 0.3780



43.7664, 0.4761, 0.3857



48.4767, 0.3986, 0.4394



11.8548, 0.3281, 0.3373



11.1945, 0.5806, 0.3772



0.7199, 0.5429, 0.4071

Inverse Universe

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



33.2472, 0.2336, 0.2710



49.4342, 0.2189, 0.2551



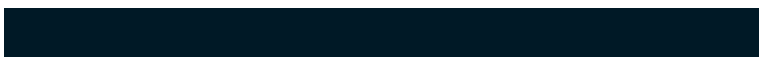
18.0794, 0.2163, 0.1856



12.0305, 0.2983, 0.3206



13.2346, 0.1915, 0.2094



0.8226, 0.1987, 0.2354

Previews

White Background



This preview shows how the Yxy color 30.1578, 0.4363, 0.3780 looks on a white background.

Color Contrast Check

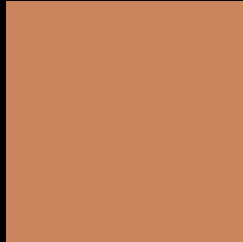
Large Text (above 18pt) WCAG AA × Fail

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 30.1578, 0.4363, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

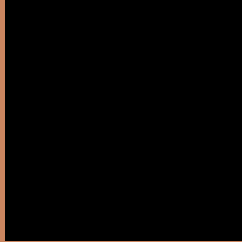
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1578, 0.4363, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 30.1578, 0.4363, 0.3780.



This preview shows how white text looks on a background with the Yxy color 30.1578, 0.4363, 0.3780.

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

30.1578, 0.4363, 0.3780

Protanopia

30.4534, 0.3730, 0.4027

Deuteranopia

30.2590, 0.4077, 0.3998



Tritanopia

30.2236, 0.3931, 0.3176

Trichromacy



Original Color

30.1578, 0.4363, 0.3780

Protanomaly

30.1945, 0.3964, 0.3943

Deuteranomaly

30.0922, 0.4185, 0.3907

Tritanomaly

30.2078, 0.4093, 0.3397

Monochromacy



Original Color

30.1578, 0.4363, 0.3780

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.5547, 0.3547, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1578, 0.4363, 0.3780 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(202, 133, 95)` looks like.

```
.text, #text, p{  
    color:rgb(202, 133, 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(202, 133, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 133, 95) }
```

Border

The CSS property to change the border of an element to Yxy 30.1578, 0.4363, 0.3780 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(202, 133, 95) }
```

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

```
.border{ border-color:rgb(202, 133, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 133, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 133, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 133, 95);  
box-shadow:4px 4px 4px 4px rgb(202, 133,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1578, 0.4363, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 133, 95) }
```

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

```
.background{ background-color: rgb(202,  
133, 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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