

Converting Colors

$Y_{xy}(30.8794, 0.4184, 0.3714)$

Have a look what the booklet for
Yxy(30.8794, 0.4184, 0.3714)
contains.

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Color

Yxy(30.9170, 0.4181, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	C68969
RGB	198, 137, 105
RGB Percent	78%, 54%, 41%
CMY	0.2235, 0.4627, 0.5883
CMYK	0.00, 0.31, 0.47, 0.22
HSL	21°, 45%, 59%
HSV	21°, 47%, 78%
XYZ	34.7858, 30.9170, 17.4969
YIQ	151.5910, 46.6280, 2.9800

Conversions

Conversions Part 2

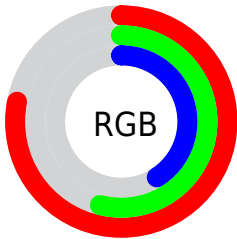
Format	Color
R_{YB}	198, 154, 105
Decimal	13011305
CIE Lab	62.44, 19.56, 26.50
CIE LCh	62, 32.938, 53.576
Yxy	30.9170, 0.4181, 0.3716
Android (android.graphics.Color)	4291201385 (0xFFC68969)
YUV	151.5910, -22.9694, 40.7007
Hunter-Lab	55.6031, 14.3659, 20.2651

Details

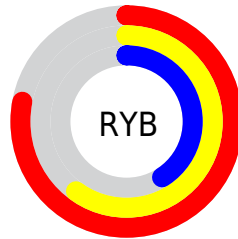
The Yxy color **30.9170, 0.4181, 0.3716** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **34.3540, 0.2421, 0.2804**, and the grayscale version is **31.3004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9559, 0.3947, 0.3648**, and **12.8626, 0.4539, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **27.0848, 0.4502, 0.3793**, and if you desaturate by 10%, it is **35.2915, 0.3893, 0.3626**.

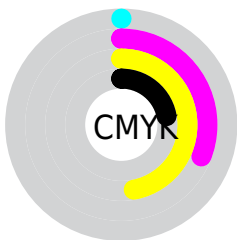
Distribution



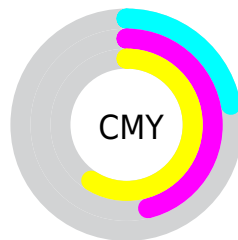
- Red (78%)
- Green (54%)
- Blue (41%)



- Red (78%)
- Yellow (60%)
- Blue (41%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (22%)





- Cyan (22%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9170, 0.4181, 0.3716 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 30.9170, 0.4181, 0.3716 by changing the saturation by 10% instead.


 30.9170, 0.4181,
0.3716


 30.9170, 0.4181,
0.3716


306.1558, 0.3616,
0.3513

 20.5357, 0.4332,
0.3760


 61.1094, 0.3968,
0.3647

 12.7850, 0.4531,
0.3809

 81.6892, 0.3890,
0.3619

 7.2807, 0.4801,
0.3861


 106.4373, 0.3825,
0.3595

 3.6382, 0.5184,
0.3903

 135.7381, 0.3770,
0.3574

 1.4733, 0.5971,
0.4029

169.9759, 0.3723,
0.3556

 0.2698, 0.7312,
0.2688

209.5352, 0.3683,

 0.0000, 0.0000,

0.3540

0.0000

254.8003, 0.3648,
0.3526

■ 30.9170, 0.4181,
0.3716

■ 30.9170, 0.4181,
0.3716

■ 27.0848, 0.4502,
0.3793

■ 35.2915, 0.3893,
0.3626

■ 23.7679, 0.4847,
0.3847

■ 40.2248, 0.3641,
0.3532

■ 20.9438, 0.5194,
0.3865

■ 45.7381, 0.3424,
0.3438

■ 18.5858, 0.5516,
0.3835

■ 51.8501, 0.3239,
0.3349

■ 16.6632, 0.5783,
0.3758

■ 58.5787, 0.3082,
0.3265

■ 16.1577, 0.5858,
0.3731

■ 65.9410, 0.2949,
0.3188

■ 73.9534, 0.2836,
0.3117

■ 82.0786, 0.2783,
0.3139

■ 90.0394, 0.2794,
0.3277

Harmonies

Analogous

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



30.9170, 0.4056, 0.3301



30.9170, 0.4181, 0.3716



30.9170, 0.3998, 0.4072

Triad

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



30.9170, 0.4181, 0.3716



30.9170, 0.2591, 0.3700



30.9170, 0.2626, 0.2464

Complementary

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



30.9170, 0.4181, 0.3716



34.3540, 0.2421, 0.2804

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.



30.9170, 0.2296, 0.2496



30.9170, 0.4181, 0.3716



30.9170, 0.2274, 0.3168

Square

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



30.9170, 0.4181, 0.3716



30.9170, 0.3067, 0.4123



30.9170, 0.2173, 0.2734



30.9170, 0.3116, 0.2615

Rectangle

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



30.9170, 0.4181, 0.3716



30.9170, 0.3740, 0.4218



30.9170, 0.2173, 0.2734



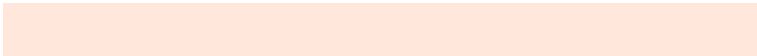
30.9170, 0.2495, 0.2453

Sweetspot

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



30.9185, 0.4181, 0.3716



83.8699, 0.3370, 0.3413



24.8992, 0.3542, 0.2497



17.4611, 0.3412, 0.3433



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.



30.9185, 0.4181, 0.3716



48.0423, 0.4498, 0.3792



46.6908, 0.3897, 0.4264



11.2238, 0.3281, 0.3370



10.6513, 0.5833, 0.3750



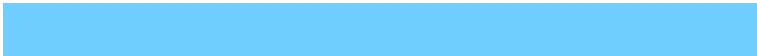
0.6396, 0.5427, 0.4073

Inverse Universe

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



34.3540, 0.2421, 0.2804



54.7541, 0.2291, 0.2681



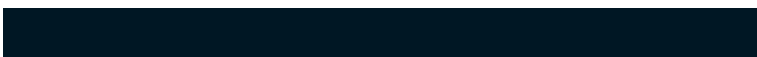
20.6333, 0.2288, 0.2071



11.4292, 0.2984, 0.3209



13.1758, 0.1926, 0.2135



0.7550, 0.2001, 0.2403

Previews

White Background



This preview shows how the Yxy color 30.9170, 0.4181, 0.3716 looks on a white background.

Color Contrast Check

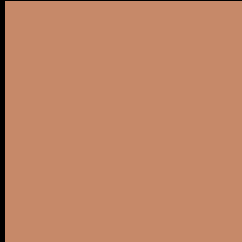
Large Text (above 18pt) WCAG AA × Fail

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 30.9170, 0.4181, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

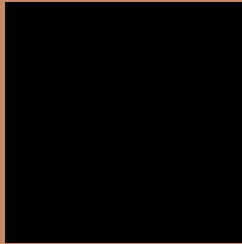
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9170, 0.4181, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 30.9170, 0.4181, 0.3716.



This preview shows how white text looks on a background with the Yxy color 30.9170, 0.4181, 0.3716.

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

30.9170, 0.4181, 0.3716

Protanopia

31.0674, 0.3648, 0.3902

Deuteranopia

31.0538, 0.3962, 0.3889



Tritanopia

30.8730, 0.3810, 0.3161

Trichromacy



Original Color

30.9170, 0.4181, 0.3716

Protanomaly

30.8920, 0.3837, 0.3831

Deuteranomaly

30.9103, 0.4037, 0.3820

Tritanomaly

30.9145, 0.3945, 0.3359

Monochromacy



Original Color

30.9170, 0.4181, 0.3716

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.0517, 0.3483, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9170, 0.4181, 0.3716 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(198, 137, 105)` looks like.

```
.text, #text, p{  
    color:rgb(198, 137, 105)  
}
```

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(198, 137, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 137, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.9170, 0.4181, 0.3716 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(198, 137, 105) }
```

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

```
.border{ border-color:rgb(198, 137, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 137, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 137, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 137, 105);  
box-shadow:4px 4px 4px 4px rgb(198, 137,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9170, 0.4181, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 137, 105) }
```

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

```
.background{ background-color: rgb(198,  
137, 105) }
```

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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