

Converting Colors

$Y_{xy}(30.9252, 0.3775, 0.3688)$

Have a look what the booklet for
Yxy(30.9252, 0.3775, 0.3688)
contains.

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Color

Yxy(31.0001, 0.3781, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	B29175
RGB	178, 145, 117
RGB Percent	70%, 57%, 46%
CMY	0.3019, 0.4314, 0.5413
CMYK	0.00, 0.19, 0.34, 0.30
HSL	28°, 28%, 58%
HSV	28°, 34%, 70%
XYZ	31.6959, 31.0001, 21.1334
YIQ	151.6750, 28.6560, -1.7120

Conversions

Conversions Part 2

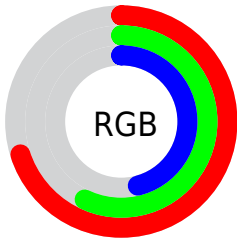
Format	Color
RYB	178, 169, 117
Decimal	11702645
CIELab	62.51, 8.33, 19.56
CIELCh	63, 21.262, 66.921
Yxy	31.0001, 0.3781, 0.3698
Android (android.graphics.Color)	4289892725 (0xFFB29175)
YUV	151.6750, -17.0948, 23.0870
Hunter-Lab	55.6777, 4.1794, 16.4699

Details

The Yxy color **31.0001, 0.3781, 0.3698** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7982, 0.2592, 0.2841**, and the grayscale version is **31.3178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3736, 0.3652, 0.3624**, and **12.8992, 0.3989, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **27.8040, 0.4029, 0.3819**, and if you desaturate by 10%, it is **34.5280, 0.3559, 0.3574**.

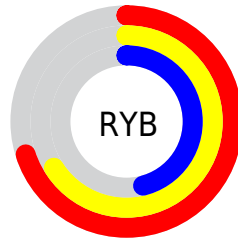
Distribution



Red (70%)

Green (57%)

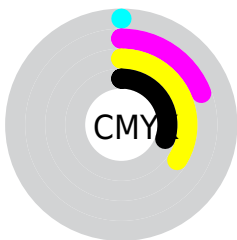
Blue (46%)



Red (70%)

Yellow (66%)

Blue (46%)

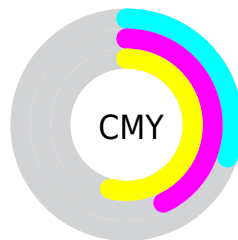


Cyan (0%)

Magenta (19%)

Yellow (34%)

Black (30%)



Cyan (30%)


Magenta (43%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0001, 0.3781, 0.3698 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 31.0001, 0.3781, 0.3698 by changing the saturation by 10% instead.


 31.0001, 0.3781,
0.3698


 31.0001, 0.3781,
0.3698


306.5388, 0.3431,
0.3488

 20.5989, 0.3876,
0.3751


 61.2402, 0.3648,
0.3621

 12.8311, 0.4002,
0.3819


 81.8480, 0.3600,
0.3592

 7.3124, 0.4177,
0.3909


 106.6267, 0.3560,
0.3568

 3.6582, 0.4434,
0.4027

135.9608, 0.3526,
0.3547

 1.4843, 0.5140,
0.4441

170.2346, 0.3497,
0.3529

 0.2776, 0.6273,
0.3727

209.8327, 0.3472,

 0.0000, 0.0000,

0.3514

0.0000

255.1392, 0.3450,
0.3500

■ 31.0001, 0.3781,
0.3698

■ 31.0001, 0.3781,
0.3698

■ 27.8040, 0.4029,
0.3819

■ 34.5280, 0.3559,
0.3574

■ 24.9245, 0.4301,
0.3929

■ 38.3933, 0.3364,
0.3453

■ 22.3519, 0.4589,
0.4017

■ 42.6073, 0.3193,
0.3337

■ 20.0738, 0.4880,
0.4072

■ 47.1789, 0.3045,
0.3229

■ 18.0768, 0.5155,
0.4081

■ 52.1171, 0.2917,
0.3128

■ 16.3460, 0.5396,
0.4037

■ 57.4303, 0.2806,
0.3036

■ 15.4640, 0.5522,
0.3998

■ 63.1267, 0.2710,
0.2951

■ 68.9291, 0.2649,
0.2920

■ 74.1887, 0.2661,
0.3030

Harmonies

Analogous

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



31.0001, 0.3784, 0.3437



31.0001, 0.3781, 0.3698



31.0001, 0.3596, 0.3870

Triad

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



31.0001, 0.3781, 0.3698



31.0001, 0.2669, 0.3407



31.0001, 0.2938, 0.2766

Complementary

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



31.0001, 0.3781, 0.3698



28.7982, 0.2592, 0.2841

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.



31.0001, 0.2661, 0.2737



31.0001, 0.3781, 0.3698



31.0001, 0.2512, 0.3085

Square

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



31.0001, 0.3781, 0.3698



31.0001, 0.2950, 0.3711



31.0001, 0.2510, 0.2845



31.0001, 0.3282, 0.2917

Rectangle

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



31.0001, 0.3781, 0.3698



31.0001, 0.3399, 0.3900



31.0001, 0.2510, 0.2845



31.0001, 0.2835, 0.2742

Sweetspot

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



31.0015, 0.3781, 0.3698



72.6860, 0.3291, 0.3405



24.4009, 0.3484, 0.2809



15.8714, 0.3315, 0.3421



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0015, 0.3781, 0.3698



51.8564, 0.3963, 0.3788



41.3913, 0.3647, 0.4092



9.1270, 0.3276, 0.3395



11.1870, 0.5503, 0.4012



0.4691, 0.5048, 0.4374

Inverse Universe

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



28.7982, 0.2592, 0.2841



47.2565, 0.2476, 0.2725



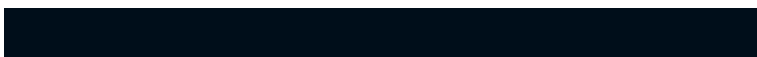
20.4329, 0.2527, 0.2337



8.9659, 0.2985, 0.3183



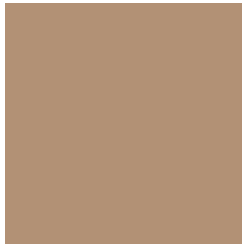
8.4446, 0.1816, 0.1739



0.3808, 0.1948, 0.2214

Previews

White Background



This preview shows how the Yxy color 31.0001, 0.3781, 0.3698 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 31.0001, 0.3781, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

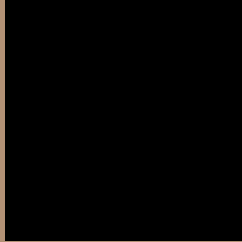
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0001, 0.3781, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 31.0001, 0.3781, 0.3698.



This preview shows how white text looks on a background with the Yxy color 31.0001, 0.3781, 0.3698.

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

31.0001, 0.3781, 0.3698

Protanopia

31.0664, 0.3536, 0.3768

Deuteranopia

30.8823, 0.3769, 0.3699



Tritanopia

30.9356, 0.3473, 0.3136

Trichromacy



Original Color

31.0001, 0.3781, 0.3698

Protanomaly

31.0423, 0.3620, 0.3744

Deuteranomaly

30.8823, 0.3769, 0.3699

Tritanomaly

31.0338, 0.3587, 0.3334

Monochromacy



Original Color

31.0001, 0.3781, 0.3698

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9360, 0.3351, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0001, 0.3781, 0.3698 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(178, 145, 117)` looks like.

```
.text, #text, p{  
    color:rgb(178, 145, 117)  
}
```

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(178, 145, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 145, 117) }
```

Border

The CSS property to change the border of an element to Yxy 31.0001, 0.3781, 0.3698 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(178, 145, 117) }
```

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

```
.border{ border-color:rgb(178, 145, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 145, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 145, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 145, 117);  
box-shadow:4px 4px 4px 4px rgb(178, 145,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0001, 0.3781, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 145, 117) }
```

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

```
.background{ background-color: rgb(178,  
145, 117) }
```

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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