

Converting Colors

$Y_{xy}(31.7401, 0.4358, 0.3957)$

Have a look what the booklet for
Yxy(31.7401, 0.4358, 0.3957)
contains.

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Color

Yxy(31.7401, 0.4358, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	C88C58
RGB	200, 140, 88
RGB Percent	78%, 55%, 35%
CMY	0.2157, 0.4509, 0.6549
CMYK	0.00, 0.30, 0.56, 0.22
HSL	28°, 50%, 56%
HSV	28°, 56%, 78%
XYZ	34.9566, 31.7401, 13.5158
YIQ	152.0120, 52.4520, -3.4520

Conversions

Conversions Part 2

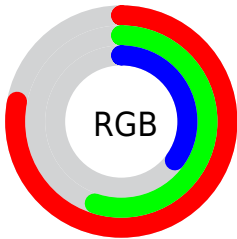
Format	Color
R_{YB}	200, 185, 88
Decimal	13143128
CIE _{Lab}	63.13, 17.17, 36.66
CIE _{LCh}	63, 40.480, 64.906
Yxy	31.7401, 0.4358, 0.3957
Android (android.graphics.Color)	4291333208 (0xFFC88C58)
YUV	152.0120, -31.5579, 42.0855
Hunter-Lab	56.3384, 12.1629, 25.2129

Details

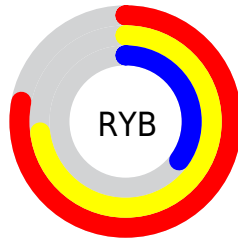
The Yxy color **31.7401, 0.4358, 0.3957** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.4164, 0.2254, 0.2469**, and the grayscale version is **31.5274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7077, 0.4080, 0.3862**, and **13.3052, 0.4737, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **28.4749, 0.4648, 0.4041**, and if you desaturate by 10%, it is **35.4041, 0.4081, 0.3849**.

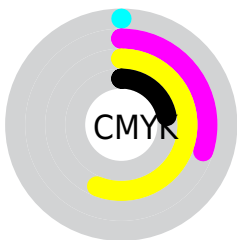
Distribution



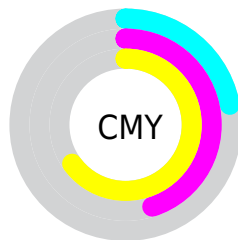
- Red (78%)
- Green (55%)
- Blue (35%)



- Red (78%)
- Yellow (73%)
- Blue (35%)



- Cyan (0%)
- Magenta (30%)
- Yellow (56%)
- Black (22%)




- Cyan (22%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7401, 0.4358, 0.3957 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 31.7401, 0.4358, 0.3957 by changing the saturation by 10% instead.


 31.7401, 0.4358,
0.3957


 31.7401, 0.4358,
0.3957


309.9336, 0.3710,
0.3641


 21.1631, 0.4523,
0.4023


 62.4034, 0.4118,
0.3850

 13.2432, 0.4733,
0.4095


 83.2585, 0.4029,
0.3807


 7.5963, 0.5005,
0.4167


 108.3084, 0.3955,
0.3770

 3.8377, 0.5456,
0.4292

 137.9375, 0.3891,
0.3737

 1.5832, 0.5827,
0.4173

 172.5301, 0.3836,
0.3709

 0.3462, 0.6836,
0.3164

212.4708, 0.3789,

 0.0000, 0.0000,

0.3683

0.0000

258.1438, 0.3747,
0.3661

■ 31.7401, 0.4358,
0.3957

■ 31.7401, 0.4358,
0.3957

■ 28.4749, 0.4648,
0.4041

■ 35.4041, 0.4081,
0.3849

■ 25.5874, 0.4936,
0.4088

■ 39.4772, 0.3827,
0.3727

■ 23.0613, 0.5205,
0.4086

■ 43.9751, 0.3599,
0.3601

■ 20.8759, 0.5434,
0.4030

■ 48.9111, 0.3397,
0.3477

■ 20.0859, 0.5520,
0.3999

■ 54.2980, 0.3221,
0.3358

■ 60.1477, 0.3069,
0.3246

■ 66.4719, 0.2936,
0.3142

■ 73.2817, 0.2822,
0.3047

■ 79.7229, 0.2791,
0.3091

Harmonies

Analogous

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



31.7401, 0.4362, 0.3473



31.7401, 0.4358, 0.3957



31.7401, 0.4004, 0.4343

Triad

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



31.7401, 0.4358, 0.3957



31.7401, 0.2306, 0.3539



31.7401, 0.2723, 0.2353

Complementary

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



31.7401, 0.4358, 0.3957



27.4164, 0.2254, 0.2469

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.



31.7401, 0.2253, 0.2300



31.7401, 0.4358, 0.3957



31.7401, 0.2031, 0.2905

Square

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



31.7401, 0.4358, 0.3957



31.7401, 0.2812, 0.4161



31.7401, 0.2016, 0.2477



31.7401, 0.3358, 0.2601

Rectangle

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



31.7401, 0.4358, 0.3957



31.7401, 0.3638, 0.4464



31.7401, 0.2016, 0.2477



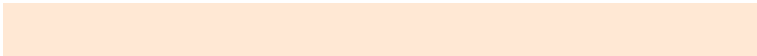
31.7401, 0.2543, 0.2312

Sweetspot

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



31.7417, 0.4358, 0.3957



83.5872, 0.3421, 0.3492



21.4458, 0.3842, 0.2514



17.5091, 0.3460, 0.3518



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.



31.7417, 0.4358, 0.3957



48.2746, 0.4705, 0.4054



51.7393, 0.3959, 0.4557



11.4353, 0.3278, 0.3398



12.9485, 0.5497, 0.4018



0.7577, 0.5156, 0.4288

Inverse Universe

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



27.4164, 0.2254, 0.2469



40.0255, 0.2094, 0.2254



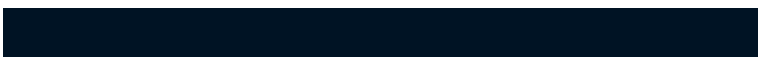
14.1782, 0.2069, 0.1593



11.2124, 0.2983, 0.3180



9.5334, 0.1809, 0.1713



0.5953, 0.1909, 0.2071

Previews

White Background



This preview shows how the Yxy color 31.7401, 0.4358, 0.3957 looks on a white background.

Color Contrast Check

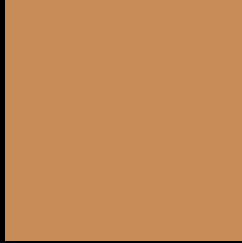
Large Text (above 18pt) WCAG AA × Fail

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 31.7401, 0.4358, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

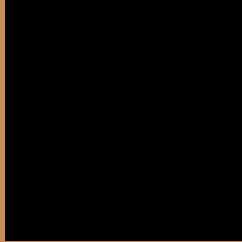
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7401, 0.4358, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 31.7401, 0.4358, 0.3957.



This preview shows how white text looks on a background with the Yxy color 31.7401, 0.4358, 0.3957.

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

31.7401, 0.4358, 0.3957

Protanopia

31.7883, 0.3854, 0.4181

Deuteranopia

31.8107, 0.4179, 0.4092



Tritanopia

31.5956, 0.3828, 0.3162

Trichromacy



Original Color

31.7401, 0.4358, 0.3957

Protanomaly

31.5188, 0.4038, 0.4097

Deuteranomaly

31.8411, 0.4249, 0.4047

Tritanomaly

31.7349, 0.4038, 0.3462

Monochromacy



Original Color

31.7401, 0.4358, 0.3957

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.1998, 0.3542, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7401, 0.4358, 0.3957 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(200, 140, 88)` looks like.

```
.text, #text, p{  
    color:rgb(200, 140, 88)  
}
```

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(200, 140, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 140, 88) }
```

Border

The CSS property to change the border of an element to Yxy 31.7401, 0.4358, 0.3957 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(200, 140, 88) }
```

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

```
.border{ border-color:rgb(200, 140, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 140, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 140, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 140, 88);  
box-shadow:4px 4px 4px 4px rgb(200, 140,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7401, 0.4358, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 140, 88) }
```

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

```
.background{ background-color: rgb(200,  
140, 88) }
```

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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