

Converting Colors

$Y_{xy}(31.1283, 0.4235, 0.3795)$

Have a look what the booklet for
Yxy(31.1283, 0.4235, 0.3795)
contains.

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Color

Yxy(31.1028, 0.4228, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	C68A64
RGB	198, 138, 100
RGB Percent	78%, 54%, 39%
CMY	0.2235, 0.4588, 0.6077
CMYK	0.00, 0.30, 0.49, 0.22
HSL	23°, 46%, 58%
HSV	23°, 49%, 78%
XYZ	34.6790, 31.1028, 16.2404
YIQ	151.6080, 47.9580, 0.9020

Conversions

Conversions Part 2

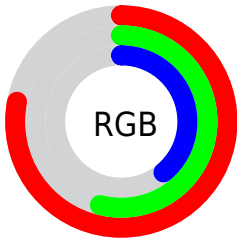
Format	Color
R _Y B	198, 162, 100
Decimal	13011556
CIE Lab	62.59, 18.51, 29.44
CIE LCh	63, 34.779, 57.836
Yxy	31.1028, 0.4228, 0.3792
Android (android.graphics.Color)	4291201636 (0xFFC68A64)
YUV	151.6080, -25.4427, 40.6858
Hunter-Lab	55.7699, 13.3980, 21.7735

Details

The Yxy color **31.1028, 0.4228, 0.3792** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.9413, 0.2374, 0.2705**, and the grayscale version is **31.3197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1936, 0.3992, 0.3720**, and **12.8901, 0.4584, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **27.4786, 0.4540, 0.3875**, and if you desaturate by 10%, it is **35.2117, 0.3943, 0.3693**.

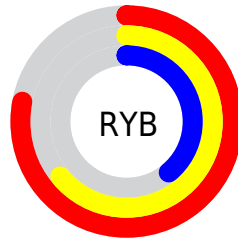
Distribution



Red (78%)

Green (54%)

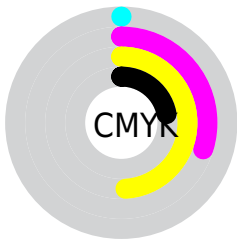
Blue (39%)



Red (78%)

Yellow (64%)

Blue (39%)

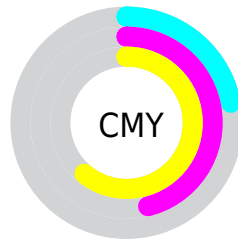


Cyan (0%)

Magenta (30%)

Yellow (49%)

Black (22%)



Cyan (22%)


Magenta (46%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1028, 0.4228, 0.3792 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 31.1028, 0.4228, 0.3792 by changing the saturation by 10% instead.


 31.1028, 0.4228,
0.3792


 31.1028, 0.4228,
0.3792


307.0116, 0.3641,
0.3552

 20.6771, 0.4383,
0.3844


 61.4019, 0.4007,
0.3710

 12.8882, 0.4586,
0.3902


 82.0441, 0.3926,
0.3677

 7.3516, 0.4858,
0.3964

 106.8606, 0.3859,
0.3649

 3.6830, 0.5249,
0.4024

 136.2358, 0.3802,
0.3624

 1.4978, 0.5912,
0.4088

170.5542, 0.3753,
0.3603

 0.2872, 0.7162,
0.2838

210.2000, 0.3710,

 0.0000, 0.0000,

0.3584

0.0000

255.5577, 0.3673,
0.3567

■ 31.1028, 0.4228,
0.3792

■ 31.1028, 0.4228,
0.3792

■ 27.4786, 0.4540,
0.3875

■ 35.2117, 0.3943,
0.3693

■ 24.3150, 0.4867,
0.3931

■ 39.8192, 0.3691,
0.3588

■ 21.5924, 0.5189,
0.3946

■ 44.9439, 0.3471,
0.3483


■ 19.2873, 0.5482,
0.3910


■ 50.6021, 0.3282,
0.3381


■ 17.3680, 0.5727,
0.3829

■ 56.8096, 0.3119,
0.3285

 17.2772, 0.5739,
0.3825

 63.5811, 0.2980,
0.3196

 70.9310, 0.2862,
0.3115

 78.6499, 0.2778,
0.3075

 85.8325, 0.2788,
0.3206

Harmonies

Analogous

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



31.1028, 0.4145, 0.3360



31.1028, 0.4228, 0.3792



31.1028, 0.3991, 0.4151

Triad

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



31.1028, 0.4228, 0.3792



31.1028, 0.2503, 0.3644



31.1028, 0.2665, 0.2436

Complementary

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



31.1028, 0.4228, 0.3792



31.9413, 0.2374, 0.2705

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.



31.1028, 0.2292, 0.2439



31.1028, 0.4228, 0.3792



31.1028, 0.2203, 0.3083

Square

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



31.1028, 0.4228, 0.3792



31.1028, 0.2985, 0.4125



31.1028, 0.2132, 0.2655



31.1028, 0.3195, 0.2618

Rectangle

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



31.1028, 0.4228, 0.3792



31.1028, 0.3701, 0.4285



31.1028, 0.2132, 0.2655



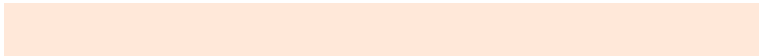
31.1028, 0.2519, 0.2415

Sweetspot

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



31.1043, 0.4228, 0.3792



83.7306, 0.3387, 0.3439



23.6804, 0.3636, 0.2515



17.4709, 0.3429, 0.3461



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.



31.1043, 0.4228, 0.3792



48.4151, 0.4553, 0.3878



48.2859, 0.3910, 0.4363



11.2998, 0.3280, 0.3380



11.3905, 0.5715, 0.3844



0.6794, 0.5328, 0.4151

Inverse Universe

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



31.9413, 0.2374, 0.2705



49.9883, 0.2234, 0.2555



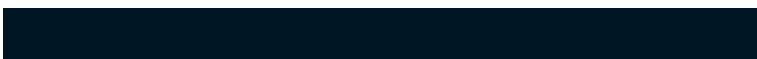
18.2587, 0.2224, 0.1916



11.3505, 0.2984, 0.3198



11.7561, 0.1884, 0.1980



0.6942, 0.1968, 0.2284

Previews

White Background



This preview shows how the Yxy color 31.1028, 0.4228, 0.3792 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 31.1028, 0.4228, 0.3792 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 31.1028, 0.4228, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 31.1028, 0.4228, 0.3792.



This preview shows how white text looks on a background with the Yxy color 31.1028, 0.4228, 0.3792.

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

31.1028, 0.4228, 0.3792

Protanopia

31.3896, 0.3703, 0.3989

Deuteranopia

31.0967, 0.4014, 0.3941



Tritanopia

31.0121, 0.3822, 0.3161

Trichromacy



Original Color

31.1028, 0.4228, 0.3792

Protanomaly

31.0970, 0.3883, 0.3916

Deuteranomaly

30.9382, 0.4101, 0.3884

Tritanomaly

31.0000, 0.3979, 0.3385

Monochromacy



Original Color

31.1028, 0.4228, 0.3792

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9959, 0.3504, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1028, 0.4228, 0.3792 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, 138, 100)` looks like.

```
.text, #text, p{  
    color:rgb(198, 138, 100)  
}
```

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, 138, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 138, 100) }
```

Border

The CSS property to change the border of an element to Yxy 31.1028, 0.4228, 0.3792 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, 138, 100) }
```

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

```
.border{ border-color:rgb(198, 138, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 138, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 138, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 138, 100);  
box-shadow:4px 4px 4px 4px rgb(198, 138,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1028, 0.4228, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 138, 100) }
```

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

```
.background{ background-color: rgb(198,  
138, 100) }
```

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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