

Converting Colors

$Y_{xy}(28.7051, 0.4195, 0.3652)$

Have a look what the booklet for
Yxy(28.7051, 0.4195, 0.3652)
contains.

Yxy(28.8342, 0.4199, 0.3656)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8342, 0.4199, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	C38368
RGB	195, 131, 104
RGB Percent	76%, 51%, 41%
CMY	0.2354, 0.4862, 0.5921
CMYK	0.00, 0.33, 0.47, 0.24
HSL	18°, 43%, 59%
HSV	18°, 47%, 76%
XYZ	33.1167, 28.8342, 16.9172
YIQ	147.0580, 46.8110, 5.1710

Conversions

Conversions Part 2

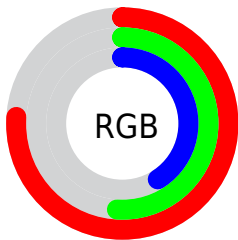
Format	Color
R_{YB}	195, 142, 104
Decimal	12813160
CIE _{Lab}	60.64, 21.51, 24.61
CIE _{LCh}	61, 32.687, 48.843
Yxy	28.8342, 0.4199, 0.3656
Android (android.graphics.Color)	4291003240 (0xFFC38368)
YUV	147.0580, -21.2276, 42.0451
Hunter-Lab	53.6975, 16.1153, 18.9091

Details

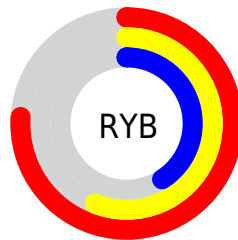
The Yxy color **28.8342, 0.4199, 0.3656** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **34.8751, 0.2438, 0.2877**, and the grayscale version is **29.2786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7184, 0.3985, 0.3598**, and **11.6692, 0.4568, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **25.0416, 0.4536, 0.3722**, and if you desaturate by 10%, it is **33.2085, 0.3900, 0.3578**.

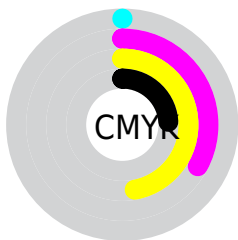
Distribution



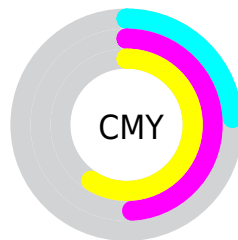
- Red (76%)
- Green (51%)
- Blue (41%)



- Red (76%)
- Yellow (56%)
- Blue (41%)



- Cyan (0%)
- Magenta (33%)
- Yellow (47%)
- Black (24%)





- Cyan (24%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8342, 0.4199, 0.3656 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 28.8342, 0.4199, 0.3656 by changing the saturation by 10% instead.


 28.8342, 0.4199,
0.3656


 28.8342, 0.4199,
0.3656


296.4319, 0.3617,
0.3483


 18.9554, 0.4358,
0.3692


 57.8136, 0.3977,
0.3598


 11.6381, 0.4569,
0.3731


 77.6829, 0.3897,
0.3574

 6.4977, 0.4860,
0.3769


 101.6513, 0.3830,
0.3554

 3.1500, 0.5286,
0.3791

 130.1031, 0.3774,
0.3536

 1.2106, 0.6141,
0.3859

163.4226, 0.3726,
0.3521

 0.0703, 0.8938,
0.1062


201.9943, 0.3685,


 0.0000, 0.0000,


0.3507

0.0000


246.2026, 0.3649,
0.3494


 28.8342, 0.4199,
0.3656


 28.8342, 0.4199,
0.3656


 25.0416, 0.4536,
0.3722


 33.2085, 0.3900,
0.3578


 21.8010, 0.4901,
0.3767


 38.1840, 0.3641,
0.3497


 19.0865, 0.5270,
0.3777


 43.7844, 0.3420,
0.3416

 16.8679, 0.5612,
0.3744


 50.0310, 0.3234,
0.3339

 15.1105, 0.5892,
0.3666


 56.9438, 0.3078,
0.3267

 14.6147, 0.5975,
0.3637

 64.5421, 0.2946,
0.3200

 72.8443, 0.2834,
0.3140

 81.5429, 0.2766,
0.3136

 89.9522, 0.2778,
0.3283

Harmonies

Analogous

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



28.8342, 0.4022, 0.3235



28.8342, 0.4199, 0.3656



28.8342, 0.4059, 0.4034

Triad

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



28.8342, 0.4199, 0.3656



28.8342, 0.2651, 0.3789



28.8342, 0.2553, 0.2444

Complementary

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



28.8342, 0.4199, 0.3656



34.8751, 0.2438, 0.2877

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.



28.8342, 0.2250, 0.2508



28.8342, 0.4199, 0.3656



28.8342, 0.2298, 0.3248

Square

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



28.8342, 0.4199, 0.3656



28.8342, 0.3149, 0.4180



28.8342, 0.2161, 0.2782



28.8342, 0.3030, 0.2570

Rectangle

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



28.8342, 0.4199, 0.3656



28.8342, 0.3818, 0.4206



28.8342, 0.2161, 0.2782



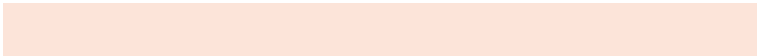
28.8342, 0.2430, 0.2443

Sweetspot

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



28.8356, 0.4199, 0.3656



81.0625, 0.3372, 0.3396



24.3727, 0.3480, 0.2449



17.2335, 0.3416, 0.3414



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.



28.8356, 0.4199, 0.3656



44.7293, 0.4544, 0.3723



43.3630, 0.3917, 0.4207



10.5545, 0.3282, 0.3359



9.6302, 0.5951, 0.3657



0.5395, 0.5499, 0.4015

Inverse Universe

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



34.8751, 0.2438, 0.2877



56.7688, 0.2310, 0.2768



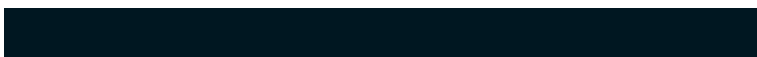
21.2262, 0.2308, 0.2156



10.9070, 0.2984, 0.3220



14.3598, 0.1973, 0.2303



0.7357, 0.2042, 0.2549

Previews

White Background



This preview shows how the Yxy color 28.8342, 0.4199, 0.3656 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8342, 0.4199, 0.3656 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 × Fail

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

Yxy 28.8342, 0.4199, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 28.8342, 0.4199, 0.3656.



This preview shows how white text looks on a background with the Yxy color 28.8342, 0.4199, 0.3656.

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

28.8342, 0.4199, 0.3656

Protanopia

28.8736, 0.3602, 0.3844

Deuteranopia

28.8294, 0.3934, 0.3851



Tritanopia

28.9621, 0.3869, 0.3172

Trichromacy



Original Color

28.8342, 0.4199, 0.3656

Protanomaly

28.7904, 0.3818, 0.3787

Deuteranomaly

28.8157, 0.4023, 0.3778

Tritanomaly

28.7639, 0.4000, 0.3346

Monochromacy



Original Color

28.8342, 0.4199, 0.3656

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5810, 0.3487, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8342, 0.4199, 0.3656 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(195, 131, 104)` looks like.

```
.text, #text, p{  
    color:rgb(195, 131, 104)  
}
```

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(195, 131, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 131, 104) }
```

Border

The CSS property to change the border of an element to Yxy 28.8342, 0.4199, 0.3656 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(195, 131, 104) }
```

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

```
.border{ border-color:rgb(195, 131, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 131, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 131, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 131, 104);  
box-shadow:4px 4px 4px 4px rgb(195, 131,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8342, 0.4199, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 131, 104) }
```

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

```
.background{ background-color: rgb(195,  
131, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor