

Converting Colors

$Y_{xy}(35.8000, 0.4236, 0.4092)$

Have a look what the booklet for
Yxy(35.8000, 0.4236, 0.4092)
contains.

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Color

Yxy(35.8000, 0.4236, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	C8995A
RGB	200, 153, 90
RGB Percent	78%, 60%, 35%
CMY	0.2156, 0.4000, 0.6471
CMYK	0.00, 0.24, 0.55, 0.22
HSL	34°, 50%, 57%
HSV	34°, 55%, 78%
XYZ	37.0598, 35.8000, 14.6280
YIQ	159.8710, 48.2350, -9.6290

Conversions

Conversions Part 2

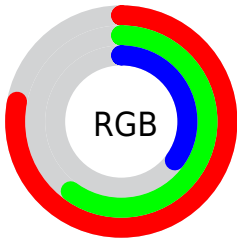
Format	Color
RYB	172, 200, 90
Decimal	13146458
CIELab	66.37, 10.25, 39.58
CIElCh	66, 40.885, 75.481
Yxy	35.8000, 0.4236, 0.4092
Android (android.graphics.Color)	4291336538 (0xFFC8995A)
YUV	159.8710, -34.4464, 35.1931
Hunter-Lab	59.8331, 5.8526, 27.3880

Details

The Yxy color **35.8000, 0.4236, 0.4092** 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 **24.2404, 0.2227, 0.2288**, and the grayscale version is **35.2375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8087, 0.4001, 0.3969**, and **15.5025, 0.4552, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **32.8069, 0.4480, 0.4203**, and if you desaturate by 10%, it is **39.0887, 0.3997, 0.3957**.

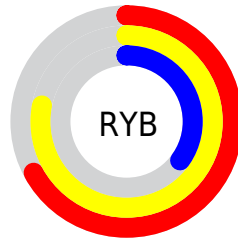
Distribution



Red (78%)

Green (60%)

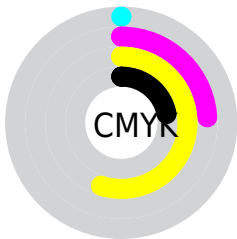
Blue (35%)



Red (67%)

Yellow (78%)

Blue (35%)

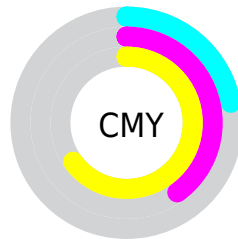


Cyan (0%)

Magenta (24%)

Yellow (55%)

Black (22%)



Cyan (22%)


Magenta (40%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8000, 0.4236, 0.4092 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 35.8000, 0.4236, 0.4092 by changing the saturation by 10% instead.


 35.8000, 0.4236,
0.4092


 35.8000, 0.4236,
0.4092

328.0855, 0.3669,
0.3704


 24.2798, 0.4375,
0.4177


 68.7233, 0.4030,
0.3958


 15.5413, 0.4548,
0.4277


 90.8951, 0.3953,
0.3905

 9.2001, 0.4765,
0.4388


 117.3862, 0.3887,
0.3860

 4.8720, 0.5080,
0.4537

 148.5811, 0.3830,
0.3820

 2.1723, 0.5404,
0.4596

184.8640, 0.3782,
0.3786

 0.7048, 0.5669,
0.4331

226.6195, 0.3739,

 0.0000, 0.0000,

0.3755

0.0000

274.2319, 0.3702,
0.3728

■ 35.8000, 0.4236,
0.4092

■ 35.8000, 0.4236,
0.4092

■ 32.8069, 0.4480,
0.4203

■ 39.0887, 0.3997,
0.3957

■ 30.0926, 0.4717,
0.4277

■ 42.6785, 0.3770,
0.3809

■ 27.6456, 0.4934,
0.4304

■ 46.5811, 0.3562,
0.3656

■ 25.4509, 0.5118,
0.4278

■ 50.8061, 0.3373,
0.3505

■ 24.4380, 0.5202,
0.4251

■ 55.3623, 0.3204,
0.3360

■ 60.2581, 0.3055,
0.3223

■ 65.5017, 0.2923,
0.3095

■ 71.1009, 0.2808,
0.2978

■ 76.0583, 0.2786,
0.3021

Harmonies

Analogous

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



35.8000, 0.4369, 0.3641



35.8000, 0.4236, 0.4092



35.8000, 0.3802, 0.4393

Triad

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



35.8000, 0.4236, 0.4092



35.8000, 0.2206, 0.3303



35.8000, 0.2941, 0.2442

Complementary

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



35.8000, 0.4236, 0.4092



24.2404, 0.2227, 0.2288

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.



35.8000, 0.2415, 0.2320



35.8000, 0.4236, 0.4092



35.8000, 0.2026, 0.2744

Square

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



35.8000, 0.4236, 0.4092



35.8000, 0.2629, 0.3943



35.8000, 0.2099, 0.2411



35.8000, 0.3578, 0.2742

Rectangle

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



35.8000, 0.4236, 0.4092



35.8000, 0.3416, 0.4423



35.8000, 0.2099, 0.2411



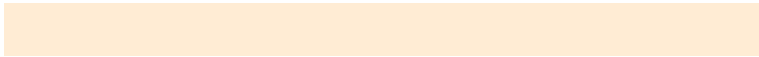
35.8000, 0.2746, 0.2380

Sweetspot

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



35.8017, 0.4236, 0.4092



86.2596, 0.3413, 0.3538



21.4189, 0.4014, 0.2683



18.1398, 0.3451, 0.3569



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.



35.8017, 0.4236, 0.4092



55.8401, 0.4527, 0.4220



53.3518, 0.3849, 0.4623



11.6283, 0.3275, 0.3422



15.7160, 0.5184, 0.4266



0.8858, 0.4924, 0.4472

Inverse Universe

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



24.2404, 0.2227, 0.2288



33.9002, 0.2047, 0.2024



14.0419, 0.2129, 0.1570



11.0204, 0.2983, 0.3154



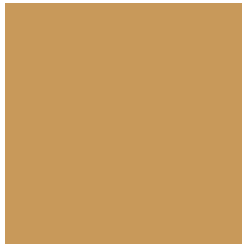
7.0004, 0.1712, 0.1361



0.4745, 0.1826, 0.1775

Previews

White Background



This preview shows how the Yxy color 35.8000, 0.4236, 0.4092 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 35.8000, 0.4236, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

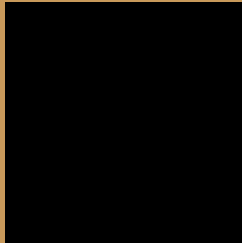
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8000, 0.4236, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 35.8000, 0.4236, 0.4092.



This preview shows how white text looks on a background with the Yxy color 35.8000, 0.4236, 0.4092.

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

35.8000, 0.4236, 0.4092

Protanopia

35.9781, 0.3906, 0.4254

Deuteranopia

35.7197, 0.4197, 0.4115



Tritanopia

35.7729, 0.3663, 0.3151

Trichromacy



Original Color

35.8000, 0.4236, 0.4092

Protanomaly

35.8833, 0.4018, 0.4199

Deuteranomaly

35.8552, 0.4207, 0.4112

Tritanomaly

35.6831, 0.3889, 0.3499

Monochromacy



Original Color

35.8000, 0.4236, 0.4092

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.9772, 0.3518, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8000, 0.4236, 0.4092 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, 153, 90)` looks like.

```
.text, #text, p{  
    color:rgb(200, 153, 90)  
}
```

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, 153, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 90) }
```

Border

The CSS property to change the border of an element to Yxy 35.8000, 0.4236, 0.4092 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, 153, 90) }
```

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

```
.border{ border-color:rgb(200, 153, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 153, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 90);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8000, 0.4236, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 90) }
```

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

```
.background{ background-color: rgb(200,  
153, 90) }
```

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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