

Converting Colors

$Y_{xy}(30.9883, 0.4411, 0.3899)$

Have a look what the booklet for
Yxy(30.9883, 0.4411, 0.3899)
contains.

Yxy(30.8695, 0.4413, 0.3900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.8695, 0.4413, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	CA8858
RGB	202, 136, 88
RGB Percent	79%, 53%, 35%
CMY	0.2077, 0.4667, 0.6548
CMYK	0.00, 0.33, 0.56, 0.21
HSL	25°, 52%, 57%
HSV	25°, 56%, 79%
XYZ	34.9300, 30.8695, 13.3530
YIQ	150.2620, 54.7440, -0.9360

Conversions

Conversions Part 2

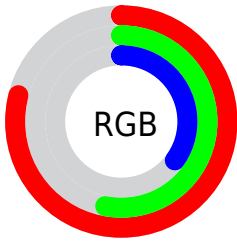
Format	Color
R _Y B	202, 171, 88
Decimal	13273176
CIE Lab	62.40, 20.22, 35.80
CIE LCh	62, 41.119, 60.539
Yxy	30.8695, 0.4413, 0.3900
Android (android.graphics.Color)	4291463256 (0xFFCA8858)
YUV	150.2620, -30.6952, 45.3742
Hunter-Lab	55.5603, 14.9900, 24.6428

Details

The Yxy color **30.8695, 0.4413, 0.3900** 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 **29.4727, 0.2265, 0.2542**, and the grayscale version is **30.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9510, 0.4100, 0.3822**, and **12.7450, 0.4800, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **27.4632, 0.4723, 0.3973**, and if you desaturate by 10%, it is **34.7316, 0.4120, 0.3803**.

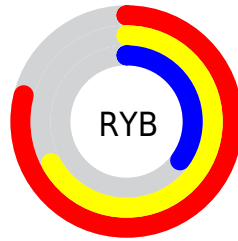
Distribution



Red (79%)

Green (53%)

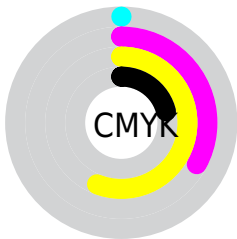
Blue (35%)



Red (79%)

Yellow (67%)

Blue (35%)

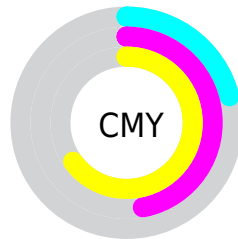


Cyan (0%)

Magenta (33%)

Yellow (56%)

Black (21%)



Cyan (21%)


Magenta (47%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8695, 0.4413, 0.3900 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 30.8695, 0.4413, 0.3900 by changing the saturation by 10% instead.


 30.8695, 0.4413,
0.3900


 30.8695, 0.4413,
0.3900


305.9367, 0.3732,
0.3616

 20.4995, 0.4589,
0.3956


 61.0346, 0.4160,
0.3806


 12.7586, 0.4813,
0.4016


 81.5984, 0.4066,
0.3767

 7.2626, 0.5106,
0.4070


 106.3290, 0.3987,
0.3733

 3.6268, 0.5603,
0.4171

 135.6107, 0.3921,
0.3704

 1.4671, 0.6006,
0.3994

 169.8279, 0.3863,
0.3678

 0.2654, 0.7376,
0.2624

209.3650, 0.3814,

 0.0000, 0.0000,

0.3655

0.0000

254.6065, 0.3770,
0.3634

■ 30.8695, 0.4413,
0.3900

■ 30.8695, 0.4413,
0.3900

■ 27.4632, 0.4723,
0.3973

■ 34.7316, 0.4120,
0.3803

■ 24.4887, 0.5033,
0.4008

■ 39.0629, 0.3853,
0.3693

■ 21.9262, 0.5322,
0.3994

■ 43.8816, 0.3616,
0.3578

■ 19.7512, 0.5567,
0.3928

■ 49.2038, 0.3409,
0.3465

■ 19.0589, 0.5648,
0.3898

■ 55.0445, 0.3229,
0.3356

■ 61.4180, 0.3075,
0.3255

■ 68.3383, 0.2942,
0.3160

■ 75.8185, 0.2828,
0.3074

■ 82.8780, 0.2806,
0.3145

Harmonies

Analogous

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



30.8695, 0.4360, 0.3402



30.8695, 0.4413, 0.3900



30.8695, 0.4093, 0.4322

Triad

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



30.8695, 0.4413, 0.3900



30.8695, 0.2349, 0.3647



30.8695, 0.2630, 0.2311

Complementary

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



30.8695, 0.4413, 0.3900



29.4727, 0.2265, 0.2542

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.



30.8695, 0.2183, 0.2289



30.8695, 0.4413, 0.3900



30.8695, 0.2031, 0.2978

Square

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



30.8695, 0.4413, 0.3900



30.8695, 0.2892, 0.4257



30.8695, 0.1978, 0.2504



30.8695, 0.3263, 0.2538

Rectangle

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



30.8695, 0.4413, 0.3900



30.8695, 0.3736, 0.4480



30.8695, 0.1978, 0.2504



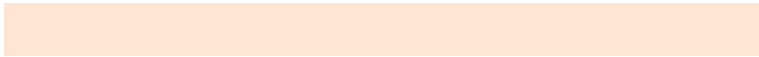
30.8695, 0.2456, 0.2279

Sweetspot

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



30.8710, 0.4413, 0.3900



82.5278, 0.3424, 0.3474



21.8939, 0.3796, 0.2463



17.2597, 0.3464, 0.3497



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.



30.8710, 0.4413, 0.3900



45.1586, 0.4801, 0.3986



51.1994, 0.3989, 0.4529



11.9765, 0.3280, 0.3388



12.4277, 0.5624, 0.3916



0.7902, 0.5278, 0.4191

Inverse Universe

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



29.4727, 0.2265, 0.2542



42.4694, 0.2107, 0.2340



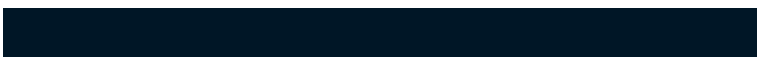
14.9866, 0.2071, 0.1633



11.9052, 0.2983, 0.3190



11.1119, 0.1851, 0.1862



0.7214, 0.1936, 0.2169

Previews

White Background



This preview shows how the Yxy color 30.8695, 0.4413, 0.3900 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 30.8695, 0.4413, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

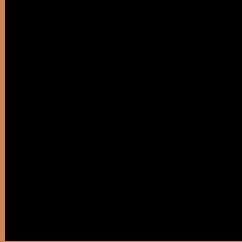
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8695, 0.4413, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 30.8695, 0.4413, 0.3900.



This preview shows how white text looks on a background with the Yxy color 30.8695, 0.4413, 0.3900.

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

30.8695, 0.4413, 0.3900

Protanopia

30.9407, 0.3834, 0.4148

Deuteranopia

30.8088, 0.4171, 0.4090



Tritanopia

30.9512, 0.3910, 0.3176

Trichromacy



Original Color

30.8695, 0.4413, 0.3900

Protanomaly

30.7955, 0.4032, 0.4061

Deuteranomaly

30.8142, 0.4263, 0.4013

Tritanomaly

30.8377, 0.4117, 0.3448

Monochromacy



Original Color

30.8695, 0.4413, 0.3900

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2181, 0.3573, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8695, 0.4413, 0.3900 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(202, 136, 88)` looks like.

```
.text, #text, p{  
    color:rgb(202, 136, 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(202, 136, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 136, 88) }
```

Border

The CSS property to change the border of an element to Yxy 30.8695, 0.4413, 0.3900 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(202, 136, 88) }
```

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

```
.border{ border-color:rgb(202, 136, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 136, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 136, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 136, 88);  
box-shadow:4px 4px 4px 4px rgb(202, 136,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8695, 0.4413, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 136, 88) }
```

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

```
.background{ background-color: rgb(202,  
136, 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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