

Converting Colors

$Y_{xy}(41.7888, 0.4096, 0.4234)$

Have a look what the booklet for
Yxy(41.7888, 0.4096, 0.4234)
contains.

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Color

Yxy(41.6016, 0.4095, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	C9A95E
RGB	201, 169, 94
RGB Percent	79%, 66%, 37%
CMY	0.2118, 0.3372, 0.6313
CMYK	0.00, 0.16, 0.53, 0.21
HSL	42°, 50%, 58%
HSV	42°, 53%, 79%
XYZ	40.2929, 41.6016, 16.5009
YIQ	170.0180, 43.1470, -16.5410

Conversions

Conversions Part 2

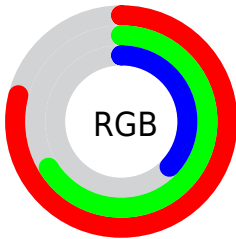
Format	Color
RYB	140, 201, 94
Decimal	13216094
CIELab	70.60, 2.35, 42.67
CIELCh	71, 42.737, 86.847
Yxy	41.6016, 0.4095, 0.4228
Android (android.graphics.Color)	4291406174 (0xFFC9A95E)
YUV	170.0180, -37.4769, 27.1712
Hunter-Lab	64.4993, -1.3642, 29.9813

Details

The Yxy color **41.6016, 0.4095, 0.4228** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **21.5173, 0.2210, 0.2102**, and the grayscale version is **40.3834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6466, 0.3890, 0.4080**, and **18.8337, 0.4340, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **39.1040, 0.4292, 0.4369**, and if you desaturate by 10%, it is **44.2998, 0.3894, 0.4063**.

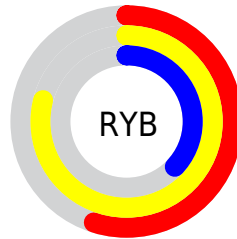
Distribution



Red (79%)

Green (66%)

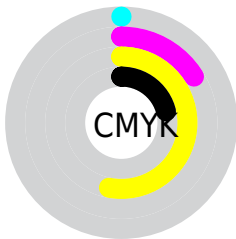
Blue (37%)



Red (55%)

Yellow (79%)

Blue (37%)

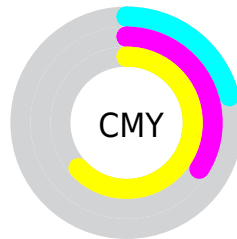


Cyan (0%)

Magenta (16%)

Yellow (53%)

Black (21%)



Cyan (21%)


Magenta (34%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6016, 0.4095, 0.4228 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 41.6016, 0.4095, 0.4228 by changing the saturation by 10% instead.


 41.6016, 0.4095,
0.4228

 41.6016, 0.4095,
0.4228


352.8287, 0.3618,
0.3771


 28.7895, 0.4206,
0.4332


 77.5963, 0.3927,
0.4068


 18.9216, 0.4340,
0.4456

 101.5477, 0.3862,
0.4006

 11.6136, 0.4503,
0.4604


 129.9809, 0.3806,
0.3953

 6.4812, 0.4703,
0.4778

 163.2804, 0.3758,
0.3907

 3.1398, 0.4984,
0.5016

201.8305, 0.3716,
0.3866

 1.2052, 0.5025,
0.4975

246.0157, 0.3679,

 0.0659, 0.6455,

0.3831

0.3545

296.2203, 0.3647,
0.3800

0.0000, 0.0000,
0.0000

41.6016, 0.4095,
0.4228

41.6016, 0.4095,
0.4228

39.1040, 0.4292,
0.4369

44.2998, 0.3894,
0.4063

36.7923, 0.4476,
0.4475

47.2007, 0.3698,
0.3885

34.6584, 0.4637,
0.4536

50.3136, 0.3510,
0.3701

32.6907, 0.4769,
0.4548

53.6453, 0.3336,
0.3520

31.4372, 0.4846,
0.4535

57.2024, 0.3176,
0.3344

■ 60.9909, 0.3030,
0.3179

■ 65.0166, 0.2900,
0.3024

■ 69.2851, 0.2783,
0.2881

■ 72.4524, 0.2787,
0.2946

Harmonies

Analogous

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



41.6016, 0.4354, 0.3818



41.6016, 0.4095, 0.4228



41.6016, 0.3586, 0.4425

Triad

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



41.6016, 0.4095, 0.4228



41.6016, 0.2113, 0.3071



41.6016, 0.3179, 0.2541

Complementary

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



41.6016, 0.4095, 0.4228



21.5173, 0.2210, 0.2102

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.



41.6016, 0.2595, 0.2347



41.6016, 0.4095, 0.4228



41.6016, 0.2030, 0.2593

Square

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



41.6016, 0.4095, 0.4228



41.6016, 0.2447, 0.3706



41.6016, 0.2196, 0.2354



41.6016, 0.3805, 0.2893

Rectangle

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



41.6016, 0.4095, 0.4228



41.6016, 0.3184, 0.4352



41.6016, 0.2196, 0.2354



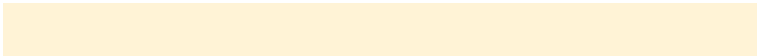
41.6016, 0.2970, 0.2457

Sweetspot

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



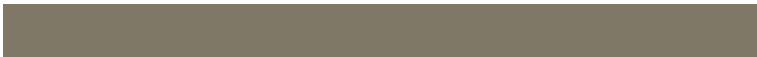
41.6036, 0.4095, 0.4228



90.1095, 0.3387, 0.3574



21.9338, 0.4185, 0.2881



19.0306, 0.3423, 0.3612



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.



41.6036, 0.4095, 0.4228



66.2769, 0.4324, 0.4389



52.2275, 0.3706, 0.4649



11.8610, 0.3272, 0.3451



19.9368, 0.4834, 0.4544



1.0662, 0.4670, 0.4674

Inverse Universe

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



21.5173, 0.2210, 0.2102



28.4117, 0.2010, 0.1790



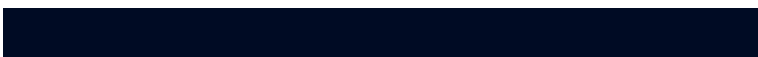
15.8988, 0.2287, 0.1678



10.7957, 0.2983, 0.3123



4.8299, 0.1614, 0.1010



0.3574, 0.1734, 0.1442

Previews

White Background



This preview shows how the Yxy color 41.6016, 0.4095, 0.4228 looks on a white background.

Color Contrast Check

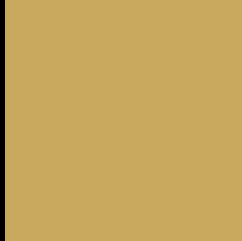
Large Text (above 18pt) WCAG AA × Fail

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 41.6016, 0.4095, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

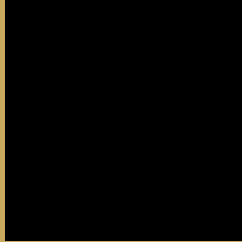
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6016, 0.4095, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 41.6016, 0.4095, 0.4228.



This preview shows how white text looks on a background with the Yxy color 41.6016, 0.4095, 0.4228.

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

41.6016, 0.4095, 0.4228

Protanopia

41.6605, 0.3953, 0.4306

Deuteranopia

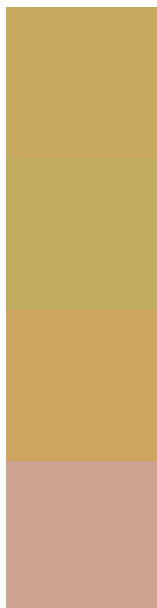
41.5854, 0.4214, 0.4134



Tritanopia

41.5301, 0.3482, 0.3142

Trichromacy



Original Color

41.6016, 0.4095, 0.4228

Protanomaly

41.8006, 0.3998, 0.4278

Deuteranomaly

41.3641, 0.4167, 0.4160

Tritanomaly

41.1871, 0.3716, 0.3534

Monochromacy



Original Color

41.6016, 0.4095, 0.4228

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5262, 0.3476, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6016, 0.4095, 0.4228 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(201, 169, 94)` looks like.

```
.text, #text, p{  
    color:rgb(201, 169, 94)  
}
```

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(201, 169, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 169, 94) }
```

Border

The CSS property to change the border of an element to Yxy 41.6016, 0.4095, 0.4228 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(201, 169, 94) }
```

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

```
.border{ border-color:rgb(201, 169, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 169, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 169, 94); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 169, 94); box-shadow:4px 4px 4px 4px rgb(201, 169, 94) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6016, 0.4095, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 169, 94) }
```

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

```
.background{ background-color: rgb(201,  
169, 94) }
```

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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