

Converting Colors

$Y_{xy}(42.6530, 0.4070, 0.4094)$

Have a look what the booklet for
Yxy(42.6530, 0.4070, 0.4094)
contains.

Yxy(42.6408, 0.4073, 0.4094)	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(42.6408, 0.4073, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	CFA968
RGB	207, 169, 104
RGB Percent	81%, 66%, 41%
CMY	0.1882, 0.3373, 0.5921
CMYK	0.00, 0.18, 0.50, 0.19
HSL	38°, 52%, 61%
HSV	38°, 50%, 81%
XYZ	42.4221, 42.6408, 19.0915
YIQ	172.9520, 43.5130, -12.1590

Conversions

Conversions Part 2

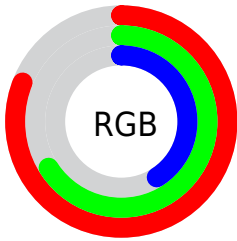
Format	Color
RYB	164, 207, 104
Decimal	13609320
CIELab	71.31, 5.77, 38.59
CIELCh	71, 39.023, 81.495
Yxy	42.6408, 0.4073, 0.4094
Android (android.graphics.Color)	4291799400 (0xFFCFA968)
YUV	172.9520, -33.9933, 29.8601
Hunter-Lab	65.2999, 1.6876, 28.3755

Details

The Yxy color **42.6408, 0.4073, 0.4094** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.8006, 0.2292, 0.2305**, and the grayscale version is **41.9251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9716, 0.3823, 0.3982**, and **19.4824, 0.4319, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **39.5124, 0.4296, 0.4231**, and if you desaturate by 10%, it is **46.0426, 0.3855, 0.3938**.

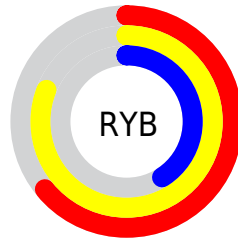
Distribution



Red (81%)

Green (66%)

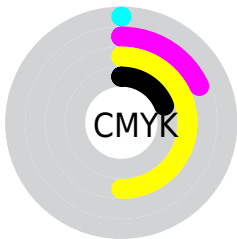
Blue (41%)



Red (64%)

Yellow (81%)

Blue (41%)

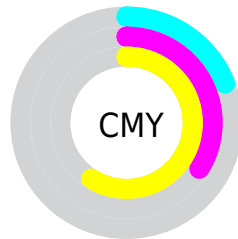


Cyan (0%)

Magenta (18%)

Yellow (50%)

Black (19%)



Cyan (19%)


Magenta (34%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6408, 0.4073, 0.4094 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 42.6408, 0.4073, 0.4094 by changing the saturation by 10% instead.

 42.6408, 0.4073,
0.4094

 42.6408, 0.4073,
0.4094


357.1325, 0.3603,
0.3706


 29.6034, 0.4185,
0.4182


 79.1685, 0.3905,
0.3959


 19.5377, 0.4324,
0.4288

 103.4276, 0.3841,
0.3906

 12.0595, 0.4497,
0.4415


 132.1961, 0.3786,
0.3861

 6.7842, 0.4713,
0.4561

 165.8583, 0.3739,
0.3821

 3.3275, 0.5137,
0.4863

204.7986, 0.3698,
0.3787

 1.3050, 0.5232,
0.4768

249.4015, 0.3662,

 0.1451, 0.6577,

0.3757

0.3423

300.0513, 0.3631,
0.3730

0.0000, 0.0000,
0.0000

42.6408, 0.4073,
0.4094

42.6408, 0.4073,
0.4094

39.5124, 0.4296,
0.4231

46.0426, 0.3855,
0.3938

36.6409, 0.4514,
0.4337

49.7214, 0.3647,
0.3772

34.0165, 0.4715,
0.4401

53.6883, 0.3455,
0.3605

31.6261, 0.4890,
0.4415

57.9516, 0.3281,
0.3442

29.4478, 0.5035,
0.4383

62.5193, 0.3124,
0.3286

■ 29.3978, 0.5038,
0.4382

■ 67.3992, 0.2983,
0.3140

■ 72.5984, 0.2859,
0.3005

■ 77.1466, 0.2829,
0.3026

■ 81.4954, 0.2833,
0.3108

Harmonies

Analogous

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



42.6408, 0.4250, 0.3706



42.6408, 0.4073, 0.4094



42.6408, 0.3644, 0.4307

Triad

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



42.6408, 0.4073, 0.4094



42.6408, 0.2239, 0.3194



42.6408, 0.3074, 0.2560

Complementary

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



42.6408, 0.4073, 0.4094



26.8006, 0.2292, 0.2305

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.



42.6408, 0.2564, 0.2413



42.6408, 0.4073, 0.4094



42.6408, 0.2118, 0.2723

Square

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



42.6408, 0.4073, 0.4094



42.6408, 0.2587, 0.3766



42.6408, 0.2231, 0.2459



42.6408, 0.3647, 0.2863

Rectangle

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



42.6408, 0.4073, 0.4094



42.6408, 0.3284, 0.4278



42.6408, 0.2231, 0.2459



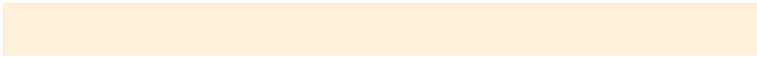
42.6408, 0.2890, 0.2491

Sweetspot

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



42.6428, 0.4073, 0.4094



89.0988, 0.3373, 0.3530



25.1669, 0.3964, 0.2796



18.7621, 0.3411, 0.3565



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.



42.6428, 0.4073, 0.4094



62.8532, 0.4317, 0.4243



57.2344, 0.3749, 0.4535



13.0335, 0.3275, 0.3436



18.7051, 0.5023, 0.4394



1.1948, 0.4832, 0.4545

Inverse Universe

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



26.8006, 0.2292, 0.2305



34.6570, 0.2109, 0.2040



18.1213, 0.2277, 0.1762



12.1220, 0.2982, 0.3139



6.2956, 0.1663, 0.1186



0.5020, 0.1767, 0.1560

Previews

White Background



This preview shows how the Yxy color 42.6408, 0.4073, 0.4094 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 42.6408, 0.4073, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

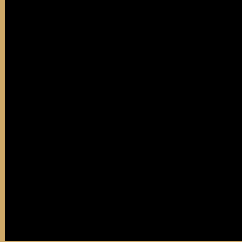
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6408, 0.4073, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 42.6408, 0.4073, 0.4094.



This preview shows how white text looks on a background with the Yxy color 42.6408, 0.4073, 0.4094.

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

42.6408, 0.4073, 0.4094

Protanopia

42.7769, 0.3864, 0.4193

Deuteranopia

42.6340, 0.4134, 0.4055



Tritanopia

42.6530, 0.3519, 0.3145

Trichromacy



Original Color

42.6408, 0.4073, 0.4094

Protanomaly

42.7774, 0.3942, 0.4162

Deuteranomaly

42.7064, 0.4108, 0.4073

Tritanomaly

42.5379, 0.3733, 0.3491

Monochromacy



Original Color

42.6408, 0.4073, 0.4094

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.9575, 0.3455, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6408, 0.4073, 0.4094 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(207, 169, 104)` looks like.

```
.text, #text, p{  
    color:rgb(207, 169, 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(207, 169, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 169, 104) }
```

Border

The CSS property to change the border of an element to Yxy 42.6408, 0.4073, 0.4094 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(207, 169, 104) }
```

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

```
.border{ border-color:rgb(207, 169, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 169, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 169, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 169, 104);  
box-shadow:4px 4px 4px 4px rgb(207, 169,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6408, 0.4073, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 169, 104) }
```

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

```
.background{ background-color: rgb(207,  
169, 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