

Converting Colors

$Y_{xy}(39.3765, 0.4098, 0.4035)$

Have a look what the booklet for
Yxy(39.3765, 0.4098, 0.4035)
contains.

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Color

Yxy(39.1655, 0.4094, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	CBA167
RGB	203, 161, 103
RGB Percent	80%, 63%, 40%
CMY	0.2038, 0.3686, 0.5961
CMYK	0.00, 0.21, 0.49, 0.20
HSL	35°, 49%, 60%
HSV	35°, 49%, 80%
XYZ	39.8270, 39.1655, 18.2889
YIQ	166.9460, 43.6500, -9.1340

Conversions

Conversions Part 2

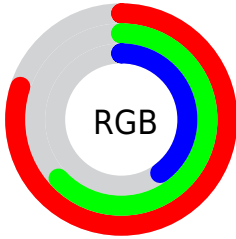
Format	Color
RYB	175, 203, 103
Decimal	13345127
CIELab	68.87, 8.33, 35.98
CIELCh	69, 36.931, 76.964
Yxy	39.1655, 0.4094, 0.4026
Android (android.graphics.Color)	4291535207 (0xFFCBA167)
YUV	166.9460, -31.5254, 31.6194
Hunter-Lab	62.5823, 4.0772, 26.4809

Details

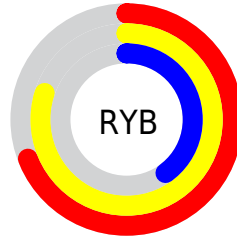
The Yxy color **39.1655, 0.4094, 0.4026** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.4538, 0.2317, 0.2400**, and the grayscale version is **38.7578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7383, 0.3861, 0.3917**, and **17.6212, 0.4369, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **35.9275, 0.4334, 0.4154**, and if you desaturate by 10%, it is **42.7097, 0.3863, 0.3880**.

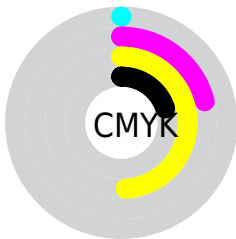
Distribution



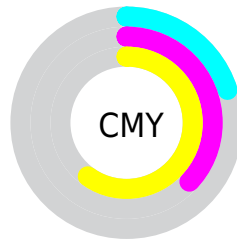
- Red (80%)
- Green (63%)
- Blue (40%)



- Red (69%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (49%)
- Black (20%)





- Cyan (20%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1655, 0.4094, 0.4026 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 39.1655, 0.4094, 0.4026 by changing the saturation by 10% instead.


 39.1655, 0.4094,
0.4026


 39.1655, 0.4094,
0.4026


342.5936, 0.3604,
0.3668


 26.8885, 0.4214,
0.4108


 73.8911, 0.3916,
0.3901

 17.4895, 0.4365,
0.4206


 97.1084, 0.3849,
0.3852

 10.5841, 0.4558,
0.4322


 124.7414, 0.3792,
0.3810

 5.7879, 0.4804,
0.4454

 157.1743, 0.3744,
0.3774

 2.7166, 0.5277,
0.4723

194.7916, 0.3702,
0.3743

 0.9856, 0.5433,
0.4567

237.9776, 0.3665,

 0.0000, 1.0000,

0.3715

0.0000

287.1169, 0.3632,
0.3690

0.0000, 0.0000,
0.0000

39.1655, 0.4094,
0.4026

39.1655, 0.4094,
0.4026

35.9275, 0.4334,
0.4154

42.7097, 0.3863,
0.3880

32.9788, 0.4574,
0.4252

46.5648, 0.3647,
0.3727

30.3087, 0.4801,
0.4308

50.7427, 0.3451,
0.3572

27.9032, 0.5002,
0.4314

55.2525, 0.3274,
0.3422

25.7410, 0.5170,
0.4271

60.1030, 0.3116,
0.3280

■ 25.5919, 0.5182,
0.4267

■ 65.3027, 0.2977,
0.3147

■ 70.8595, 0.2855,
0.3023

■ 76.0924, 0.2804,
0.3014

■ 80.9365, 0.2810,
0.3107

Harmonies

Analogous

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



39.1655, 0.4219, 0.3635



39.1655, 0.4094, 0.4026



39.1655, 0.3707, 0.4266

Triad

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



39.1655, 0.4094, 0.4026



39.1655, 0.2299, 0.3280



39.1655, 0.2994, 0.2544

Complementary

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



39.1655, 0.4094, 0.4026



27.4538, 0.2317, 0.2400

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.



39.1655, 0.2517, 0.2427



39.1655, 0.4094, 0.4026



39.1655, 0.2145, 0.2796

Square

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



39.1655, 0.4094, 0.4026



39.1655, 0.2669, 0.3831



39.1655, 0.2222, 0.2505



39.1655, 0.3553, 0.2821

Rectangle

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



39.1655, 0.4094, 0.4026



39.1655, 0.3364, 0.4270



39.1655, 0.2222, 0.2505



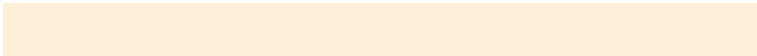
39.1655, 0.2819, 0.2485

Sweetspot

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



39.1674, 0.4094, 0.4026



87.9478, 0.3376, 0.3511



24.4846, 0.3881, 0.2738



18.4844, 0.3415, 0.3543



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.



39.1674, 0.4094, 0.4026



59.8755, 0.4347, 0.4160



55.4887, 0.3787, 0.4503



12.2760, 0.3276, 0.3424



16.4651, 0.5165, 0.4281



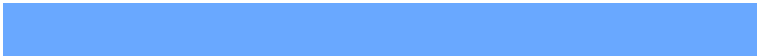
0.9975, 0.4926, 0.4471

Inverse Universe

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



27.4538, 0.2317, 0.2400



38.1147, 0.2148, 0.2167



17.3043, 0.2246, 0.1765



11.6057, 0.2983, 0.3152



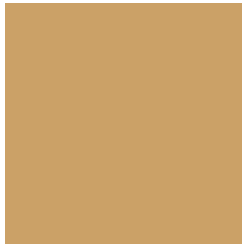
7.0799, 0.1705, 0.1337



0.5143, 0.1813, 0.1726

Previews

White Background



This preview shows how the Yxy color 39.1655, 0.4094, 0.4026 looks on a white background.

Color Contrast Check

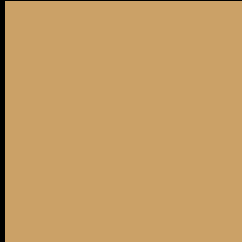
Large Text (above 18pt) WCAG AA × Fail

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 39.1655, 0.4094, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

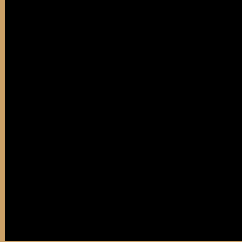
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1655, 0.4094, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 39.1655, 0.4094, 0.4026.



This preview shows how white text looks on a background with the Yxy color 39.1655, 0.4094, 0.4026.

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

39.1655, 0.4094, 0.4026

Protanopia

39.1132, 0.3822, 0.4138

Deuteranopia

39.3064, 0.4104, 0.4023



Tritanopia

39.0544, 0.3578, 0.3141

Trichromacy



Original Color

39.1655, 0.4094, 0.4026

Protanomaly

38.8773, 0.3919, 0.4091

Deuteranomaly

39.3064, 0.4104, 0.4023

Tritanomaly

38.9953, 0.3782, 0.3470

Monochromacy



Original Color

39.1655, 0.4094, 0.4026

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.6272, 0.3461, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1655, 0.4094, 0.4026 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(203, 161, 103)` looks like.

```
.text, #text, p{  
    color:rgb(203, 161, 103)  
}
```

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(203, 161, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 161, 103) }
```

Border

The CSS property to change the border of an element to Yxy 39.1655, 0.4094, 0.4026 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(203, 161, 103) }
```

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

```
.border{ border-color:rgb(203, 161, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 161, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 161, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 161, 103);  
box-shadow:4px 4px 4px 4px rgb(203, 161,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1655, 0.4094, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 161, 103) }
```

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

```
.background{ background-color: rgb(203,  
161, 103) }
```

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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