

Converting Colors

$Yxy(38.7707, 0.4004, 0.4187)$

Have a look what the booklet for
Yxy(38.7707, 0.4004, 0.4187)
contains.

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Color

Yxy(38.8497, 0.3998, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	BFA561
RGB	191, 165, 97
RGB Percent	75%, 65%, 38%
CMY	0.2509, 0.3530, 0.6196
CMYK	0.00, 0.14, 0.49, 0.25
HSL	43°, 42%, 56%
HSV	43°, 49%, 75%
XYZ	37.1049, 38.8497, 16.8541
YIQ	165.0220, 37.3240, -15.6360

Conversions

Conversions Part 2

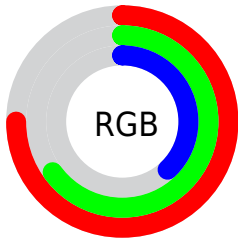
Format	Color
RYB	133, 191, 97
Decimal	12559713
CIELab	68.64, 0.59, 38.55
CIELCh	69, 38.554, 89.123
Yxy	38.8497, 0.3998, 0.4186
Android (android.graphics.Color)	4290749793 (0xFFBFA561)
YUV	165.0220, -33.5348, 22.7827
Hunter-Lab	62.3295, -2.8153, 27.5985

Details

The Yxy color **38.8497, 0.3998, 0.4186** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **20.4826, 0.2278, 0.2178**, and the grayscale version is **37.7911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4961, 0.3840, 0.4027**, and **17.1746, 0.4229, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **36.6679, 0.4190, 0.4342**, and if you desaturate by 10%, it is **41.1999, 0.3804, 0.4010**.

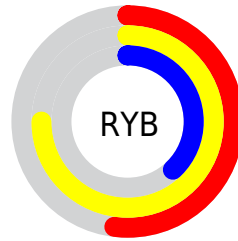
Distribution



Red (75%)

Green (65%)

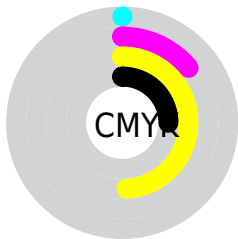
Blue (38%)



Red (52%)

Yellow (75%)

Blue (38%)

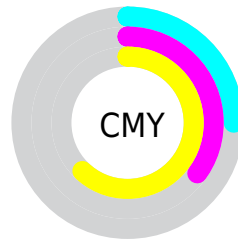


Cyan (0%)

Magenta (14%)

Yellow (49%)

Black (25%)



Cyan (25%)


Magenta (35%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8497, 0.3998, 0.4186 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 38.8497, 0.3998, 0.4186 by changing the saturation by 10% instead.


 38.8497, 0.3998,
0.4186


 38.8497, 0.3998,
0.4186


341.2511, 0.3562,
0.3739

 26.6428, 0.4102,
0.4292


 73.4087, 0.3842,
0.4026


 17.3052, 0.4230,
0.4422


 96.5295, 0.3783,
0.3965

 10.4523, 0.4388,
0.4583


 124.0572, 0.3732,
0.3913

 5.6999, 0.4585,
0.4780

 156.3760, 0.3688,
0.3869

 2.6634, 0.4903,
0.5097

193.8704, 0.3650,
0.3830

 0.9587, 0.4915,
0.5085

236.9248, 0.3617,

 0.0000, 0.0000,

0.3796

0.0000

285.9236, 0.3588,
0.3766

■ 38.8497, 0.3998,
0.4186

■ 38.8497, 0.3998,
0.4186

■ 36.6679, 0.4190,
0.4342

■ 41.1999, 0.3804,
0.4010

■ 34.6418, 0.4371,
0.4467

■ 43.7197, 0.3615,
0.3825

■ 32.7652, 0.4534,
0.4551

■ 46.4168, 0.3436,
0.3637

■ 31.0287, 0.4669,
0.4589

■ 49.2971, 0.3269,
0.3453

■ 29.4164, 0.4778,
0.4583

■ 52.3657, 0.3116,
0.3277

■ 29.2941, 0.4786,
0.4582

■ 55.6278, 0.2977,
0.3111

■ 59.0881, 0.2852,
0.2956

■ 62.7514, 0.2740,
0.2813

■ 65.6915, 0.2715,
0.2821

Harmonies

Analogous

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



38.8497, 0.4255, 0.3821



38.8497, 0.3998, 0.4186



38.8497, 0.3517, 0.4335

Triad

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



38.8497, 0.3998, 0.4186



38.8497, 0.2170, 0.3053



38.8497, 0.3222, 0.2613

Complementary

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



38.8497, 0.3998, 0.4186



20.4826, 0.2278, 0.2178

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.



38.8497, 0.2672, 0.2418



38.8497, 0.3998, 0.4186



38.8497, 0.2108, 0.2622

Square

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



38.8497, 0.3998, 0.4186



38.8497, 0.2467, 0.3629



38.8497, 0.2282, 0.2412



38.8497, 0.3793, 0.2953

Rectangle

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



38.8497, 0.3998, 0.4186



38.8497, 0.3142, 0.4244



38.8497, 0.2282, 0.2412



38.8497, 0.3027, 0.2529

Sweetspot

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



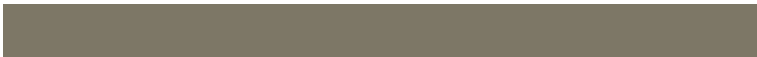
38.8515, 0.3998, 0.4186



85.1151, 0.3368, 0.3563



21.0779, 0.4085, 0.2930



18.4521, 0.3404, 0.3603



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8515, 0.3998, 0.4186



65.3795, 0.4203, 0.4352



46.7585, 0.3655, 0.4556



10.6616, 0.3271, 0.3455



19.3853, 0.4776, 0.4590



0.8638, 0.4607, 0.4724

Inverse Universe

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



20.4826, 0.2278, 0.2178



28.8228, 0.2087, 0.1885



16.1223, 0.2381, 0.1822



9.6440, 0.2984, 0.3119



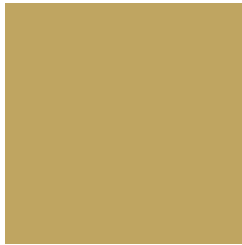
4.2574, 0.1601, 0.0964



0.2808, 0.1740, 0.1462

Previews

White Background



This preview shows how the Yxy color 38.8497, 0.3998, 0.4186 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 38.8497, 0.3998, 0.4186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

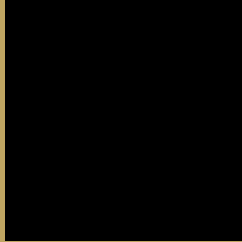
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8497, 0.3998, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 38.8497, 0.3998, 0.4186.



This preview shows how white text looks on a background with the Yxy color 38.8497, 0.3998, 0.4186.

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

38.8497, 0.3998, 0.4186

Protanopia

39.0775, 0.3900, 0.4236

Deuteranopia

38.8608, 0.4155, 0.4069



Tritanopia

38.9843, 0.3419, 0.3136

Trichromacy



Original Color

38.8497, 0.3998, 0.4186

Protanomaly

39.0841, 0.3936, 0.4213

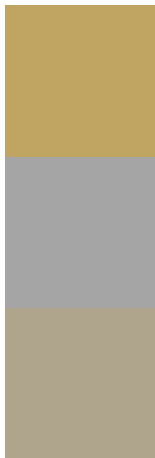
Deuteranomaly

38.8646, 0.4090, 0.4110

Tritanomaly

38.7269, 0.3636, 0.3517

Monochromacy



Original Color

38.8497, 0.3998, 0.4186

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.8024, 0.3438, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8497, 0.3998, 0.4186 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(191, 165, 97)` looks like.

```
.text, #text, p{  
    color:rgb(191, 165, 97)  
}
```

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(191, 165, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 165, 97) }
```

Border

The CSS property to change the border of an element to Yxy 38.8497, 0.3998, 0.4186 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(191, 165, 97) }
```

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

```
.border{ border-color:rgb(191, 165, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 165, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 165, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 165, 97); box-shadow:4px 4px 4px 4px rgb(191, 165, 97) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8497, 0.3998, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 165, 97) }
```

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

```
.background{ background-color: rgb(191,  
165, 97) }
```

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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