

Converting Colors

$Y_{xy}(30.8441, 0.3945, 0.3672)$

Have a look what the booklet for
Yxy(30.8441, 0.3945, 0.3672)
contains.

Yxy(30.9560, 0.3946, 0.3668)	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(30.9560, 0.3946, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	BC8D72
RGB	188, 141, 114
RGB Percent	74%, 55%, 45%
CMY	0.2627, 0.4471, 0.5530
CMYK	0.00, 0.25, 0.39, 0.26
HSL	22°, 36%, 59%
HSV	22°, 39%, 74%
XYZ	33.3022, 30.9560, 20.1366
YIQ	151.9750, 36.6790, 1.5670

Conversions

Conversions Part 2

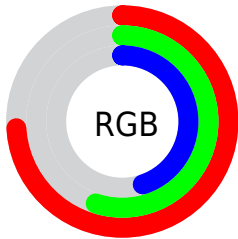
Format	Color
RYB	188, 157, 114
Decimal	12356978
CIELab	62.47, 14.26, 21.35
CIELCh	62, 25.669, 56.263
Yxy	30.9560, 0.3946, 0.3668
Android (android.graphics.Color)	4290547058 (0xFFBC8D72)
YUV	151.9750, -18.7217, 31.5939
Hunter-Lab	55.6381, 9.4744, 17.4884

Details

The Yxy color **30.9560, 0.3946, 0.3668** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6968, 0.2527, 0.2872**, and the grayscale version is **31.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3762, 0.3782, 0.3604**, and **12.8621, 0.4217, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **27.2390, 0.4235, 0.3761**, and if you desaturate by 10%, it is **35.1436, 0.3691, 0.3569**.

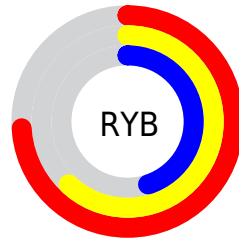
Distribution



Red (74%)

Green (55%)

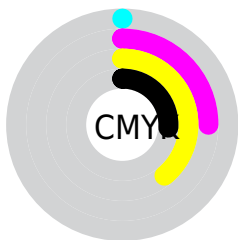
Blue (45%)



Red (74%)

Yellow (62%)

Blue (45%)

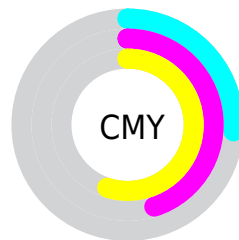


Cyan (0%)

Magenta (25%)

Yellow (39%)

Black (26%)



Cyan (26%)


Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9560, 0.3946, 0.3668 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 30.9560, 0.3946, 0.3668 by changing the saturation by 10% instead.

 30.9560, 0.3946,
0.3668


 30.9560, 0.3946,
0.3668


306.3356, 0.3506,
0.3480

 20.5653, 0.4065,
0.3713


 61.1708, 0.3779,
0.3601

 12.8067, 0.4223,
0.3767


 81.7637, 0.3719,
0.3575

 7.2955, 0.4442,
0.3834


 106.5262, 0.3668,
0.3553

 3.6476, 0.4761,
0.3911

 135.8426, 0.3626,
0.3535

 1.4785, 0.5675,
0.4294

170.0974, 0.3589,
0.3518

 0.2735, 0.6897,
0.3103

209.6748, 0.3558,

 0.0000, 0.0000,

0.3504

0.0000

254.9594, 0.3530,
0.3491

■ 30.9560, 0.3946,
0.3668

■ 30.9560, 0.3946,
0.3668

■ 27.2390, 0.4235,
0.3761

■ 35.1436, 0.3691,
0.3569

■ 23.9707, 0.4554,
0.3839

■ 39.8137, 0.3469,
0.3470

■ 21.1341, 0.4890,
0.3890


■ 44.9835, 0.3280,
0.3374

■ 18.7088, 0.5223,
0.3902

■ 50.6677, 0.3118,
0.3285

■ 16.6728, 0.5526,
0.3866

■ 56.8805, 0.2980,
0.3201


 14.9960, 0.5780,
0.3785

 63.6354, 0.2862,
0.3125

 14.9007, 0.5796,
0.3780

 70.9457, 0.2761,
0.3055

 78.2038, 0.2723,
0.3088

 85.3310, 0.2735,
0.3219

Harmonies

Analogous

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



30.9560, 0.3867, 0.3339



30.9560, 0.3946, 0.3668



30.9560, 0.3791, 0.3930

Triad

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



30.9560, 0.3946, 0.3668



30.9560, 0.2681, 0.3572



30.9560, 0.2766, 0.2636

Complementary

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



30.9560, 0.3946, 0.3668



32.6968, 0.2527, 0.2872

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.



30.9560, 0.2485, 0.2654



30.9560, 0.3946, 0.3668



30.9560, 0.2438, 0.3169

Square

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



30.9560, 0.3946, 0.3668



30.9560, 0.3052, 0.3904



30.9560, 0.2370, 0.2837



30.9560, 0.3161, 0.2768

Rectangle

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



30.9560, 0.3946, 0.3668



30.9560, 0.3583, 0.4021



30.9560, 0.2370, 0.2837



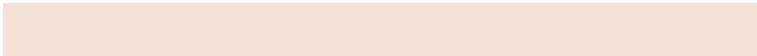
30.9560, 0.2656, 0.2624

Sweetspot

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



30.9575, 0.3946, 0.3668



78.7758, 0.3330, 0.3401



25.3374, 0.3468, 0.2640



16.6743, 0.3354, 0.3413



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.9575, 0.3946, 0.3668



50.3842, 0.4187, 0.3747



43.3140, 0.3760, 0.4125



10.0911, 0.3279, 0.3374



10.2747, 0.5773, 0.3798



0.5283, 0.5315, 0.4162

Inverse Universe

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



32.6968, 0.2527, 0.2872



53.9295, 0.2406, 0.2765



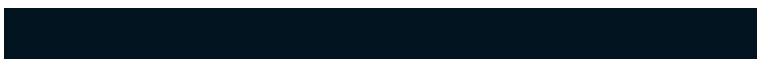
21.8991, 0.2438, 0.2285



10.2080, 0.2985, 0.3204



11.6643, 0.1907, 0.2064



0.5774, 0.1998, 0.2391

Previews

White Background



This preview shows how the Yxy color 30.9560, 0.3946, 0.3668 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 30.9560, 0.3946, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

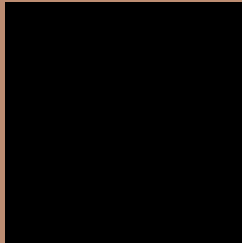
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9560, 0.3946, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 30.9560, 0.3946, 0.3668.



This preview shows how white text looks on a background with the Yxy color 30.9560, 0.3946, 0.3668.

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

30.9560, 0.3946, 0.3668

Protanopia

31.0422, 0.3546, 0.3783

Deuteranopia

30.9080, 0.3823, 0.3755



Tritanopia

30.7913, 0.3627, 0.3141

Trichromacy



Original Color

30.9560, 0.3946, 0.3668

Protanomaly

30.8097, 0.3693, 0.3738

Deuteranomaly

31.0839, 0.3873, 0.3734

Tritanomaly

30.8734, 0.3746, 0.3333

Monochromacy



Original Color

30.9560, 0.3946, 0.3668

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.0141, 0.3406, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9560, 0.3946, 0.3668 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(188, 141, 114)` looks like.

```
.text, #text, p{  
    color:rgb(188, 141, 114)  
}
```

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(188, 141, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 141, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.9560, 0.3946, 0.3668 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(188, 141, 114) }
```

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

```
.border{ border-color:rgb(188, 141, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 141, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 141, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 141, 114);  
box-shadow:4px 4px 4px 4px rgb(188, 141,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9560, 0.3946, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 141, 114) }
```

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

```
.background{ background-color: rgb(188,  
141, 114) }
```

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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