

Converting Colors

$Y_{xy}(29.8968, 0.3850, 0.3675)$

Have a look what the booklet for
Yxy(29.8968, 0.3850, 0.3675)
contains.

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Color

Yxy(29.9680, 0.3855, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	B48D72
RGB	180, 141, 114
RGB Percent	71%, 55%, 45%
CMY	0.2942, 0.4470, 0.5528
CMYK	0.00, 0.22, 0.37, 0.29
HSL	25°, 31%, 58%
HSV	25°, 37%, 71%
XYZ	31.3846, 29.9680, 20.0601
YIQ	149.5830, 31.9110, -0.1290

Conversions

Conversions Part 2

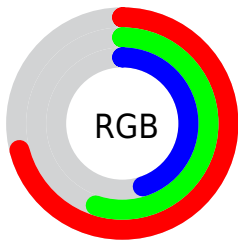
Format	Color
R _Y B	180, 160, 114
Decimal	11832690
CIE Lab	61.63, 10.99, 20.04
CIE LCh	62, 22.854, 61.246
Yxy	29.9680, 0.3855, 0.3681
Android (android.graphics.Color)	4290022770 (0xFFB48D72)
YUV	149.5830, -17.5424, 26.6757
Hunter-Lab	54.7430, 6.5350, 16.5939

Details

The Yxy color **29.9680, 0.3855, 0.3681** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6640, 0.2562, 0.2859**, and the grayscale version is **30.3805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7879, 0.3705, 0.3613**, and **12.3111, 0.4105, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **26.6105, 0.4123, 0.3787**, and if you desaturate by 10%, it is **33.7105, 0.3618, 0.3570**.

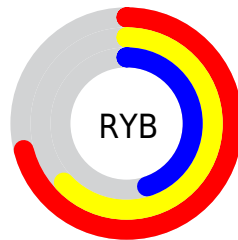
Distribution



Red (71%)

Green (55%)

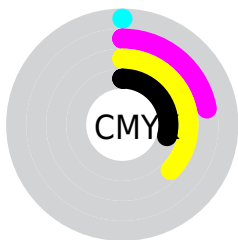
Blue (45%)



Red (71%)

Yellow (63%)

Blue (45%)

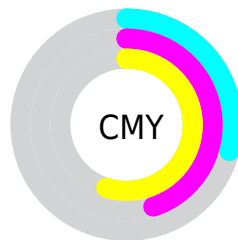


Cyan (0%)

Magenta (22%)

Yellow (37%)

Black (29%)



Cyan (29%)


Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9680, 0.3855, 0.3681 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 29.9680, 0.3855, 0.3681 by changing the saturation by 10% instead.


 29.9680, 0.3855,
0.3681


 29.9680, 0.3855,
0.3681


301.7553, 0.3463,
0.3482


 19.8143, 0.3962,
0.3731


 59.6116, 0.3705,
0.3608


 12.2601, 0.4105,
0.3793


 79.8702, 0.3651,
0.3581

 6.9211, 0.4305,
0.3873


 104.2660, 0.3607,
0.3558

 3.4128, 0.4598,
0.3974

 133.1833, 0.3569,
0.3538

 1.3509, 0.5532,
0.4466

167.0064, 0.3536,
0.3521

 0.1801, 0.7094,
0.2906

206.1199, 0.3508,

 0.0000, 0.0000,

0.3506

0.0000

250.9080, 0.3484,
0.3493

■ 29.9680, 0.3855,
0.3681

■ 29.9680, 0.3855,
0.3681

■ 26.6105, 0.4123,
0.3787

■ 33.7105, 0.3618,
0.3570

■ 23.6204, 0.4417,
0.3881

■ 37.8461, 0.3411,
0.3461

■ 20.9851, 0.4729,
0.3951

■ 42.3882, 0.3232,
0.3356

■ 18.6895, 0.5043,
0.3986

■ 47.3480, 0.3078,
0.3258

■ 16.7168, 0.5337,
0.3972

■ 52.7364, 0.2946,
0.3167

■ 15.0473, 0.5588,
0.3907

■ 58.5638, 0.2832,
0.3083

■ 14.5467, 0.5668,
0.3881

■ 64.8403, 0.2734,
0.3006

■ 71.3790, 0.2665,
0.2968

■ 77.3499, 0.2679,
0.3089

Harmonies

Analogous

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



29.9680, 0.3818, 0.3388



29.9680, 0.3855, 0.3681



29.9680, 0.3686, 0.3895

Triad

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



29.9680, 0.3855, 0.3681



29.9680, 0.2679, 0.3485



29.9680, 0.2856, 0.2707

Complementary

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



29.9680, 0.3855, 0.3681



29.6640, 0.2562, 0.2859

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.



29.9680, 0.2579, 0.2701



29.9680, 0.3855, 0.3681



29.9680, 0.2481, 0.3127

Square

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



29.9680, 0.3855, 0.3681



29.9680, 0.3001, 0.3800



29.9680, 0.2447, 0.2845



29.9680, 0.3223, 0.2848

Rectangle

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



29.9680, 0.3855, 0.3681



29.9680, 0.3486, 0.3954



29.9680, 0.2447, 0.2845



29.9680, 0.2750, 0.2689

Sweetspot

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



29.9694, 0.3855, 0.3681



73.0314, 0.3310, 0.3403



24.0650, 0.3477, 0.2730



15.5487, 0.3334, 0.3417



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.9694, 0.3855, 0.3681



49.3554, 0.4070, 0.3768



40.9570, 0.3698, 0.4107



9.0569, 0.3277, 0.3384



10.2792, 0.5647, 0.3898



0.4395, 0.5146, 0.4296

Inverse Universe

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



29.6640, 0.2562, 0.2859



48.7013, 0.2440, 0.2745



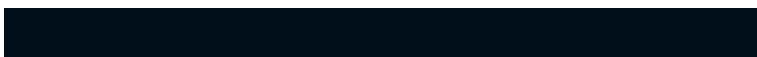
20.4600, 0.2486, 0.2314



9.0371, 0.2986, 0.3195



9.6860, 0.1865, 0.1913



0.4161, 0.1983, 0.2339

Previews

White Background



This preview shows how the Yxy color 29.9680, 0.3855, 0.3681 looks on a white background.

Color Contrast Check

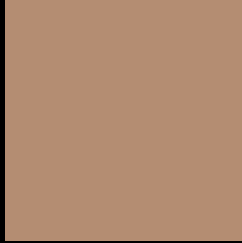
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9680, 0.3855, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

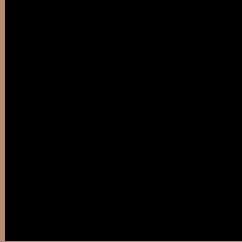
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9680, 0.3855, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 29.9680, 0.3855, 0.3681.



This preview shows how white text looks on a background with the Yxy color 29.9680, 0.3855, 0.3681.

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

29.9680, 0.3855, 0.3681

Protanopia

30.1738, 0.3541, 0.3774

Deuteranopia

29.9738, 0.3789, 0.3718



Tritanopia

29.7822, 0.3538, 0.3136

Trichromacy



Original Color

29.9680, 0.3855, 0.3681

Protanomaly

30.0576, 0.3653, 0.3731

Deuteranomaly

29.9080, 0.3816, 0.3701

Tritanomaly

29.8713, 0.3656, 0.3334

Monochromacy



Original Color

29.9680, 0.3855, 0.3681

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2506, 0.3375, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9680, 0.3855, 0.3681 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(180, 141, 114)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 141, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 141, 114) }
```

Border

The CSS property to change the border of an element to Yxy 29.9680, 0.3855, 0.3681 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(180, 141, 114) }
```

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

```
.border{ border-color:rgb(180, 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(180, 141, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 141, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 141, 114);  
box-shadow:4px 4px 4px 4px rgb(180, 141,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9680, 0.3855, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 141, 114) }
```

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

```
.background{ background-color: rgb(180,  
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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