

Converting Colors

$Y_{xy}(29.8833, 0.3941, 0.3588)$

Have a look what the booklet for
Yxy(29.8833, 0.3941, 0.3588)
contains.

Yxy(29.8436, 0.3945, 0.3586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8436, 0.3945, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	BC8974
RGB	188, 137, 116
RGB Percent	74%, 54%, 45%
CMY	0.2629, 0.4627, 0.5452
CMYK	0.00, 0.27, 0.38, 0.26
HSL	18°, 35%, 60%
HSV	18°, 38%, 74%
XYZ	32.8313, 29.8436, 20.5476
YIQ	149.8550, 37.1370, 4.2810

Conversions

Conversions Part 2

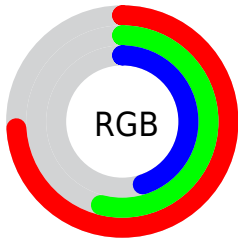
Format	Color
R_{YB}	188, 146, 116
Decimal	12355956
CIE _{Lab}	61.52, 16.69, 18.94
CIE _{LCh}	62, 25.240, 48.611
Yxy	29.8436, 0.3945, 0.3586
Android (android.graphics.Color)	4290546036 (0xFFBC8974)
YUV	149.8550, -16.6905, 33.4532
Hunter-Lab	54.6293, 11.6742, 15.9398

Details

The Yxy color **29.8436, 0.3945, 0.3586** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **34.9563, 0.2554, 0.2968**, and the grayscale version is **30.4947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6816, 0.3779, 0.3540**, and **12.2203, 0.4225, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **25.8981, 0.4251, 0.3661**, and if you desaturate by 10%, it is **34.3470, 0.3680, 0.3506**.

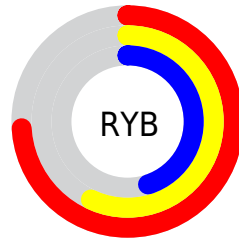
Distribution



Red (74%)

Green (54%)

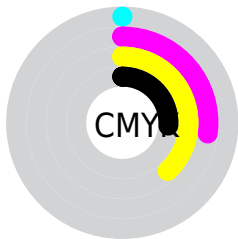
Blue (45%)



Red (74%)

Yellow (57%)

Blue (45%)

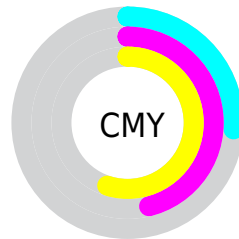


Cyan (0%)

Magenta (27%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (46%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8436, 0.3945, 0.3586 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 29.8436, 0.3945, 0.3586 by changing the saturation by 10% instead.


 29.8436, 0.3945,
0.3586


 29.8436, 0.3945,
0.3586


301.1748, 0.3502,
0.3441


 19.7199, 0.4067,
0.3620


 59.4148, 0.3776,
0.3535

 12.1916, 0.4230,
0.3660


 79.6310, 0.3715,
0.3515

 6.8743, 0.4457,
0.3708


 103.9802, 0.3664,
0.3498

 3.3836, 0.4795,
0.3757

132.8468, 0.3622,
0.3483

 1.3351, 0.5737,
0.4066

166.6152, 0.3585,
0.3471

 0.1682, 0.7713,
0.2287

205.6697, 0.3554,

 0.0000, 0.0000,

0.3460

0.0000

250.3947, 0.3527,
0.3450

■ 29.8436, 0.3945,
0.3586

■ 29.8436, 0.3945,
0.3586

■ 25.8981, 0.4251,
0.3661

■ 34.3470, 0.3680,
0.3506

■ 22.4838, 0.4594,
0.3723

■ 39.4250, 0.3454,
0.3426

■ 19.5784, 0.4962,
0.3762

■ 45.0987, 0.3263,
0.3350

■ 17.1561, 0.5331,
0.3766

■ 51.3871, 0.3102,
0.3278

■ 15.1882, 0.5667,
0.3726

■ 58.3082, 0.2966,
0.3212

■ 13.6399, 0.5939,
0.3646

■ 65.8792, 0.2852,
0.3152

■ 13.4131, 0.5983,
0.3632

■ 74.1167, 0.2755,
0.3097

■ 82.2831, 0.2730,
0.3165

■ 89.4279, 0.2741,
0.3289

Harmonies

Analogous

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



29.8436, 0.3806, 0.3254



29.8436, 0.3945, 0.3586



29.8436, 0.3847, 0.3872

Triad

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



29.8436, 0.3945, 0.3586



29.8436, 0.2768, 0.3668



29.8436, 0.2683, 0.2628

Complementary

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



29.8436, 0.3945, 0.3586



34.9563, 0.2554, 0.2968

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.



29.8436, 0.2442, 0.2687



29.8436, 0.3945, 0.3586



29.8436, 0.2487, 0.3270

Square

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



29.8436, 0.3945, 0.3586



29.8436, 0.3157, 0.3956



29.8436, 0.2373, 0.2911



29.8436, 0.3055, 0.2724

Rectangle

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



29.8436, 0.3945, 0.3586



29.8436, 0.3668, 0.3993



29.8436, 0.2373, 0.2911



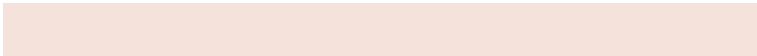
29.8436, 0.2585, 0.2630

Sweetspot

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



29.8450, 0.3945, 0.3586



78.6833, 0.3314, 0.3371



25.9863, 0.3399, 0.2597



16.6165, 0.3339, 0.3382



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.



29.8450, 0.3945, 0.3586



47.9923, 0.4201, 0.3650



41.5966, 0.3765, 0.4046



9.9784, 0.3281, 0.3358



9.2486, 0.5960, 0.3649



0.4792, 0.5474, 0.4035

Inverse Universe

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



34.9563, 0.2554, 0.2968



58.5368, 0.2440, 0.2884



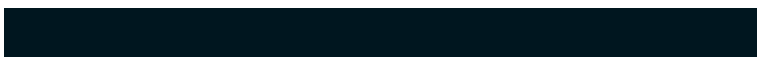
23.7307, 0.2470, 0.2396



10.3258, 0.2985, 0.3221



14.0393, 0.1978, 0.2321



0.6577, 0.2050, 0.2581

Previews

White Background



This preview shows how the Yxy color 29.8436, 0.3945, 0.3586 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 29.8436, 0.3945, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

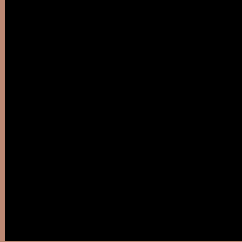
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8436, 0.3945, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 29.8436, 0.3945, 0.3586.



This preview shows how white text looks on a background with the Yxy color 29.8436, 0.3945, 0.3586.

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

29.8436, 0.3945, 0.3586

Protanopia

30.1445, 0.3500, 0.3728

Deuteranopia

29.9967, 0.3778, 0.3704



Tritanopia

29.8346, 0.3683, 0.3155

Trichromacy



Original Color

29.8436, 0.3945, 0.3586

Protanomaly

30.0177, 0.3658, 0.3683

Deuteranomaly

29.9909, 0.3844, 0.3667

Tritanomaly

29.6908, 0.3785, 0.3306

Monochromacy



Original Color

29.8436, 0.3945, 0.3586

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9783, 0.3402, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8436, 0.3945, 0.3586 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, 137, 116)` looks like.

```
.text, #text, p{  
    color:rgb(188, 137, 116)  
}
```

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, 137, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 137, 116) }
```

Border

The CSS property to change the border of an element to Yxy 29.8436, 0.3945, 0.3586 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, 137, 116) }
```

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

```
.border{ border-color:rgb(188, 137, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 137, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 137, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 137, 116);  
box-shadow:4px 4px 4px 4px rgb(188, 137,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8436, 0.3945, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 137, 116) }
```

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

```
.background{ background-color: rgb(188,  
137, 116) }
```

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