

Converting Colors

$Y_{xy}(29.5864, 0.4036, 0.3722)$

Have a look what the booklet for
Yxy(29.5864, 0.4036, 0.3722)
contains.

Yxy(29.5177, 0.4036, 0.3712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5177, 0.4036, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	BB896B
RGB	187, 137, 107
RGB Percent	73%, 54%, 42%
CMY	0.2666, 0.4627, 0.5805
CMYK	0.00, 0.27, 0.43, 0.27
HSL	23°, 37%, 58%
HSV	23°, 43%, 73%
XYZ	32.0941, 29.5177, 17.9078
YIQ	148.5300, 39.4300, 1.2700

Conversions

Conversions Part 2

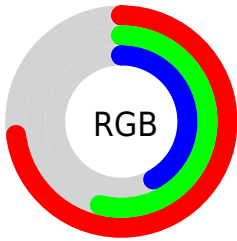
Format	Color
R_{YB}	187, 155, 107
Decimal	12290411
CIE Lab	61.24, 15.26, 23.59
CIE LCh	61, 28.095, 57.093
Yxy	29.5177, 0.4036, 0.3712
Android (android.graphics.Color)	4290480491 (0xFFBB896B)
YUV	148.5300, -20.4743, 33.7382
Hunter-Lab	54.3302, 10.3664, 18.4885

Details

The Yxy color **29.5177, 0.4036, 0.3712** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.8207, 0.2475, 0.2816**, and the grayscale version is **29.9226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7426, 0.3849, 0.3628**, and **12.0377, 0.4355, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **26.0230, 0.4333, 0.3804**, and if you desaturate by 10%, it is **33.4602, 0.3771, 0.3612**.

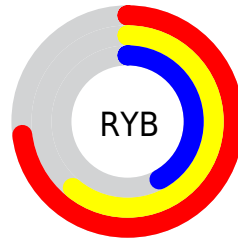
Distribution



Red (73%)

Green (54%)

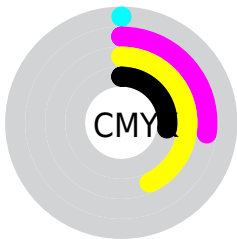
Blue (42%)



Red (73%)

Yellow (61%)

Blue (42%)

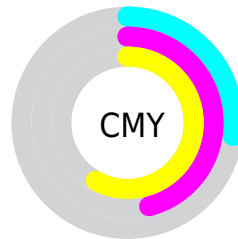


Cyan (0%)

Magenta (27%)

Yellow (43%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5177, 0.4036, 0.3712 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 29.5177, 0.4036, 0.3712 by changing the saturation by 10% instead.


 29.5177, 0.4036,
0.3712

 29.5177, 0.4036,
0.3712


299.6498, 0.3545,
0.3503


 19.4728, 0.4170,
0.3761


 58.8986, 0.3849,
0.3638


 12.0124, 0.4347,
0.3820


 79.0034, 0.3781,
0.3609

 6.7521, 0.4592,
0.3890


 103.2303, 0.3725,
0.3585

 3.3076, 0.4946,
0.3963

 131.9637, 0.3678,
0.3564

 1.2943, 0.5783,
0.4217

165.5879, 0.3637,
0.3545

 0.1368, 0.7860,
0.2140

204.4874, 0.3602,

 0.0000, 0.0000,

0.3529

0.0000

249.0466, 0.3572,
0.3515

■ 29.5177, 0.4036,
0.3712

■ 29.5177, 0.4036,
0.3712

■ 26.0230, 0.4333,
0.3804

■ 33.4602, 0.3771,
0.3612

■ 22.9549, 0.4655,
0.3876

■ 37.8621, 0.3540,
0.3509

■ 20.2965, 0.4987,
0.3918

■ 42.7400, 0.3341,
0.3410

■ 18.0282, 0.5308,
0.3916

■ 48.1082, 0.3170,
0.3315

■ 16.1278, 0.5591,
0.3863

■ 53.9805, 0.3025,
0.3227

■ 14.9671, 0.5767,
0.3803

■ 60.3700, 0.2900,
0.3146

■ 67.2893, 0.2794,
0.3072

■ 74.6483, 0.2710,
0.3021

■ 81.3897, 0.2723,
0.3150

Harmonies

Analogous

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



29.5177, 0.3957, 0.3350



29.5177, 0.4036, 0.3712



29.5177, 0.3854, 0.4003

Triad

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



29.5177, 0.4036, 0.3712



29.5177, 0.2621, 0.3592



29.5177, 0.2737, 0.2571

Complementary

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



29.5177, 0.4036, 0.3712



30.8207, 0.2475, 0.2816

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.



29.5177, 0.2424, 0.2584



29.5177, 0.4036, 0.3712



29.5177, 0.2360, 0.3139

Square

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



29.5177, 0.4036, 0.3712



29.5177, 0.3028, 0.3971



29.5177, 0.2292, 0.2777



29.5177, 0.3176, 0.2721

Rectangle

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



29.5177, 0.4036, 0.3712



29.5177, 0.3619, 0.4106



29.5177, 0.2292, 0.2777



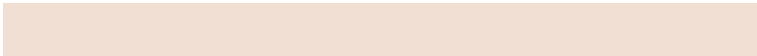
29.5177, 0.2615, 0.2556

Sweetspot

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



29.5191, 0.4036, 0.3712



76.1599, 0.3349, 0.3414



23.5331, 0.3525, 0.2601



16.3296, 0.3390, 0.3436



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.



29.5191, 0.4036, 0.3712



47.1763, 0.4302, 0.3795



42.8117, 0.3810, 0.4211



10.1071, 0.3279, 0.3377



10.4397, 0.5745, 0.3820



0.5357, 0.5293, 0.4179

Inverse Universe

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



30.8207, 0.2475, 0.2816



49.7605, 0.2348, 0.2695



19.5857, 0.2366, 0.2159



10.1915, 0.2984, 0.3202



11.3549, 0.1897, 0.2028



0.5666, 0.1990, 0.2364

Previews

White Background



This preview shows how the Yxy color 29.5177, 0.4036, 0.3712 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 29.5177, 0.4036, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

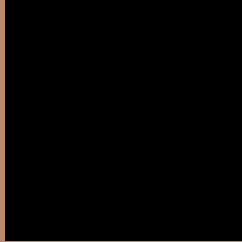
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5177, 0.4036, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 29.5177, 0.4036, 0.3712.



This preview shows how white text looks on a background with the Yxy color 29.5177, 0.4036, 0.3712.

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

29.5177, 0.4036, 0.3712

Protanopia

29.7206, 0.3606, 0.3853

Deuteranopia

29.6167, 0.3891, 0.3819



Tritanopia

29.4027, 0.3687, 0.3154

Trichromacy



Original Color

29.5177, 0.4036, 0.3712

Protanomaly

29.5073, 0.3758, 0.3804

Deuteranomaly

29.5001, 0.3949, 0.3782

Tritanomaly

29.4540, 0.3820, 0.3362

Monochromacy



Original Color

29.5177, 0.4036, 0.3712

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7586, 0.3433, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5177, 0.4036, 0.3712 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(187, 137, 107)` looks like.

```
.text, #text, p{  
    color:rgb(187, 137, 107)  
}
```

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(187, 137, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 137, 107) }
```

Border

The CSS property to change the border of an element to Yxy 29.5177, 0.4036, 0.3712 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(187, 137, 107) }
```

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

```
.border{ border-color:rgb(187, 137, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 137, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 137, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 137, 107);  
box-shadow:4px 4px 4px 4px rgb(187, 137,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5177, 0.4036, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 137, 107) }
```

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

```
.background{ background-color: rgb(187,  
137, 107) }
```

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