

Converting Colors

$Y_{xy}(29.4612, 0.4336, 0.3716)$

Have a look what the booklet for
Yxy(29.4612, 0.4336, 0.3716)
contains.

Yxy(29.5319, 0.4335, 0.3720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5319, 0.4335, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	C98362
RGB	201, 131, 98
RGB Percent	79%, 51%, 38%
CMY	0.2116, 0.4863, 0.6157
CMYK	0.00, 0.35, 0.51, 0.21
HSL	19°, 49%, 59%
HSV	19°, 51%, 79%
XYZ	34.4142, 29.5319, 15.4407
YIQ	148.1680, 52.3130, 4.5770

Conversions

Conversions Part 2

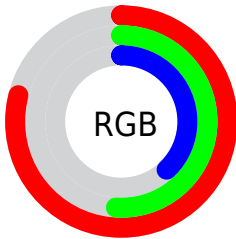
Format	Color
R_{YB}	201, 147, 98
Decimal	13206370
CIE _{Lab}	61.25, 23.41, 28.89
CIE _{LCh}	61, 37.182, 50.988
Yxy	29.5319, 0.4335, 0.3720
Android (android.graphics.Color)	4291396450 (0xFFC98362)
YUV	148.1680, -24.7328, 46.3337
Hunter-Lab	54.3433, 17.9388, 21.1940

Details

The Yxy color **29.5319, 0.4335, 0.3720** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **34.8341, 0.2370, 0.2790**, and the grayscale version is **29.7776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7109, 0.4045, 0.3659**, and **12.0532, 0.4736, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **25.7685, 0.4678, 0.3783**, and if you desaturate by 10%, it is **33.8778, 0.4024, 0.3640**.

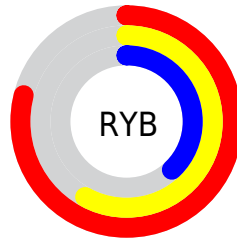
Distribution



Red (79%)

Green (51%)

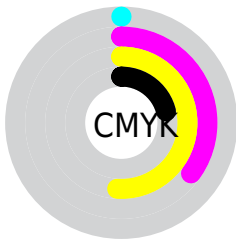
Blue (38%)



Red (79%)

Yellow (58%)

Blue (38%)

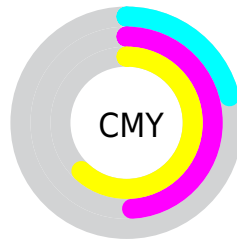


Cyan (0%)

Magenta (35%)

Yellow (51%)

Black (21%)



Cyan (21%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5319, 0.4335, 0.3720 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 29.5319, 0.4335, 0.3720 by changing the saturation by 10% instead.


 29.5319, 0.4335,
0.3720


 29.5319, 0.4335,
0.3720


299.7164, 0.3684,
0.3522


 19.4836, 0.4509,
0.3758


 58.9211, 0.4089,
0.3655

 12.0202, 0.4738,
0.3798


 79.0308, 0.3999,
0.3628

 6.7574, 0.5047,
0.3832


 103.2630, 0.3924,
0.3605

 3.3109, 0.5513,
0.3856

 132.0022, 0.3861,
0.3584

 1.2961, 0.6211,
0.3789

165.6327, 0.3807,
0.3566

 0.1382, 0.8357,
0.1643

204.5390, 0.3761,

 0.0000, 0.0000,

0.3549

0.0000

249.1054, 0.3720,
0.3535

■ 29.5319, 0.4335,
0.3720

■ 29.5319, 0.4335,
0.3720

■ 25.7685, 0.4678,
0.3783

■ 33.8778, 0.4024,
0.3640

■ 22.5571, 0.5038,
0.3818

■ 38.8261, 0.3751,
0.3553

■ 19.8707, 0.5390,
0.3812

■ 44.4010, 0.3516,
0.3465

■ 17.6781, 0.5699,
0.3758

■ 50.6242, 0.3316,
0.3380

■ 16.1306, 0.5921,
0.3681

■ 57.5162, 0.3146,
0.3300

■ 65.0966, 0.3003,
0.3225

■ 73.3840, 0.2882,
0.3157

■ 82.1480, 0.2800,
0.3134

■ 90.5136, 0.2810,
0.3278

Harmonies

Analogous

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



29.5319, 0.4164, 0.3254



29.5319, 0.4335, 0.3720



29.5319, 0.4146, 0.4141

Triad

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



29.5319, 0.4335, 0.3720



29.5319, 0.2553, 0.3815



29.5319, 0.2515, 0.2353

Complementary

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



29.5319, 0.4335, 0.3720



34.8341, 0.2370, 0.2790

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.



29.5319, 0.2166, 0.2403



29.5319, 0.4335, 0.3720



29.5319, 0.2181, 0.3193

Square

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



29.5319, 0.4335, 0.3720



29.5319, 0.3102, 0.4285



29.5319, 0.2050, 0.2684



29.5319, 0.3058, 0.2507

Rectangle

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



29.5319, 0.4335, 0.3720



29.5319, 0.3861, 0.4333



29.5319, 0.2050, 0.2684



29.5319, 0.2374, 0.2345

Sweetspot

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



29.5334, 0.4335, 0.3720



82.2944, 0.3391, 0.3413



23.9988, 0.3572, 0.2410



17.1273, 0.3434, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.5334, 0.4335, 0.3720



43.1526, 0.4736, 0.3791



46.8170, 0.3980, 0.4327



11.1822, 0.3282, 0.3365



10.2868, 0.5895, 0.3701



0.6191, 0.5481, 0.4030

Inverse Universe

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



34.8341, 0.2370, 0.2790



53.1197, 0.2229, 0.2652



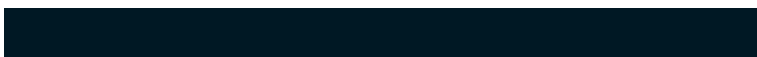
19.5112, 0.2208, 0.1964



11.4727, 0.2984, 0.3214



14.0075, 0.1950, 0.2219



0.7899, 0.2019, 0.2469

Previews

White Background



This preview shows how the Yxy color 29.5319, 0.4335, 0.3720 looks on a white background.

Color Contrast Check

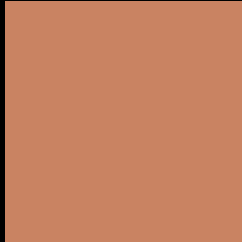
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5319, 0.4335, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

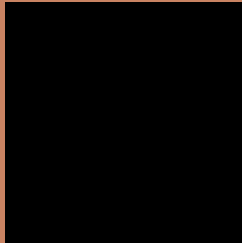
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5319, 0.4335, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 29.5319, 0.4335, 0.3720.



This preview shows how white text looks on a background with the Yxy color 29.5319, 0.4335, 0.3720.

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

29.5319, 0.4335, 0.3720

Protanopia

29.6733, 0.3688, 0.3959

Deuteranopia

29.6555, 0.4019, 0.3954



Tritanopia

29.5083, 0.3953, 0.3175

Trichromacy



Original Color

29.5319, 0.4335, 0.3720

Protanomaly

29.4193, 0.3922, 0.3879

Deuteranomaly

29.4791, 0.4127, 0.3863

Tritanomaly

29.5400, 0.4093, 0.3371

Monochromacy



Original Color

29.5319, 0.4335, 0.3720

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1732, 0.3528, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5319, 0.4335, 0.3720 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(201, 131, 98)` looks like.

```
.text, #text, p{  
    color:rgb(201, 131, 98)  
}
```

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(201, 131, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 131, 98) }
```

Border

The CSS property to change the border of an element to Yxy 29.5319, 0.4335, 0.3720 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(201, 131, 98) }
```

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

```
.border{ border-color:rgb(201, 131, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 131, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 131, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 131, 98);  
box-shadow:4px 4px 4px 4px rgb(201, 131,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5319, 0.4335, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 131, 98) }
```

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

```
.background{ background-color: rgb(201,  
131, 98) }
```

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