

Converting Colors

$Y_{xy}(28.6465, 0.4306, 0.3727)$

Have a look what the booklet for
Yxy(28.6465, 0.4306, 0.3727)
contains.

Yxy(28.6986, 0.4309, 0.3729)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6986, 0.4309, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	C58261
RGB	197, 130, 97
RGB Percent	77%, 51%, 38%
CMY	0.2275, 0.4901, 0.6196
CMYK	0.00, 0.34, 0.51, 0.23
HSL	20°, 46%, 58%
HSV	20°, 51%, 77%
XYZ	33.1623, 28.6986, 15.0997
YIQ	146.2710, 50.5250, 3.9410

Conversions

Conversions Part 2

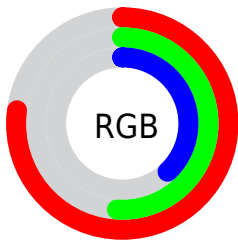
Format	Color
RYB	197, 146, 97
Decimal	12943969
CIELab	60.51, 22.19, 28.40
CIElCh	61, 36.042, 51.995
Yxy	28.6986, 0.4309, 0.3729
Android (android.graphics.Color)	4291134049 (0xFFC58261)
YUV	146.2710, -24.2906, 44.4893
Hunter-Lab	53.5711, 16.7482, 20.7881

Details

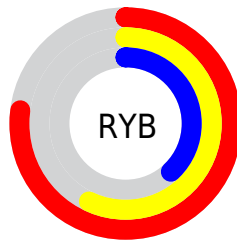
The Yxy color **28.6986, 0.4309, 0.3729** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1087, 0.2374, 0.2780**, and the grayscale version is **28.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2651, 0.4059, 0.3659**, and **11.5431, 0.4707, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **25.0890, 0.4646, 0.3796**, and if you desaturate by 10%, it is **32.8524, 0.4003, 0.3646**.

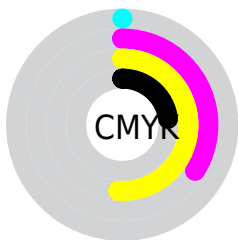
Distribution



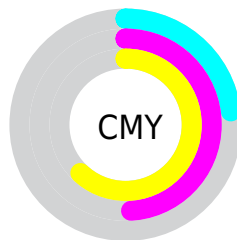
- Red (77%)
- Green (51%)
- Blue (38%)



- Red (77%)
- Yellow (57%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (51%)
- Black (23%)





- Cyan (23%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6986, 0.4309, 0.3729 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 28.6986, 0.4309, 0.3729 by changing the saturation by 10% instead.


 28.6986, 0.4309,
0.3729

 28.6986, 0.4309,
0.3729


295.7902, 0.3669,
0.3524

 18.8529, 0.4482,
0.3770


 57.5979, 0.4066,
0.3660


 11.5641, 0.4709,
0.3814


 77.4203, 0.3978,
0.3633

 6.4476, 0.5017,
0.3853


 101.3370, 0.3905,
0.3608

 3.1191, 0.5498,
0.3894

 129.7326, 0.3843,
0.3587

 1.1942, 0.6181,
0.3819

162.9913, 0.3790,
0.3568

 0.0570, 0.9127,
0.0873

201.4975, 0.3744,

 0.0000, 0.0000,

0.3552

0.0000

245.6357, 0.3704,
0.3537

■ 28.6986, 0.4309,
0.3729

■ 28.6986, 0.4309,
0.3729

■ 25.0890, 0.4646,
0.3796

■ 32.8524, 0.4003,
0.3646

■ 21.9953, 0.5001,
0.3834

■ 37.5683, 0.3735,
0.3557

■ 19.3932, 0.5348,
0.3833

■ 42.8686, 0.3503,
0.3466

■ 17.2539, 0.5657,
0.3783

■ 48.7731, 0.3306,
0.3379

■ 15.6541, 0.5893,
0.3703

■ 55.3007, 0.3139,
0.3296

■ 62.4694, 0.2997,
0.3220

■ 70.2963, 0.2877,
0.3149

■ 78.7979, 0.2775,
0.3085

■ 86.6858, 0.2784,
0.3223

Harmonies

Analogous

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



28.6986, 0.4153, 0.3271



28.6986, 0.4309, 0.3729



28.6986, 0.4114, 0.4137

Triad

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



28.6986, 0.4309, 0.3729



28.6986, 0.2550, 0.3783



28.6986, 0.2543, 0.2372

Complementary

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



28.6986, 0.4309, 0.3729



33.1087, 0.2374, 0.2780

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.



28.6986, 0.2192, 0.2415



28.6986, 0.4309, 0.3729



28.6986, 0.2191, 0.3176

Square

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



28.6986, 0.4309, 0.3729



28.6986, 0.3084, 0.4252



28.6986, 0.2070, 0.2684



28.6986, 0.3080, 0.2529

Rectangle

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



28.6986, 0.4309, 0.3729



28.6986, 0.3831, 0.4319



28.6986, 0.2070, 0.2684



28.6986, 0.2402, 0.2363

Sweetspot

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



28.7000, 0.4309, 0.3729



82.5068, 0.3390, 0.3417



23.1447, 0.3566, 0.2419



17.1780, 0.3433, 0.3436



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.



28.7000, 0.4309, 0.3729



44.2445, 0.4687, 0.3802



44.8308, 0.3970, 0.4317



11.1996, 0.3281, 0.3367



10.4363, 0.5869, 0.3722



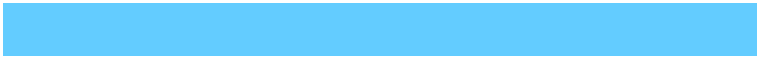
0.6276, 0.5458, 0.4048

Inverse Universe

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



33.1087, 0.2374, 0.2780



52.9086, 0.2236, 0.2644



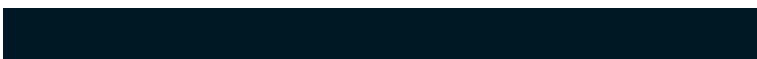
18.9077, 0.2219, 0.1981



11.4544, 0.2984, 0.3212



13.6539, 0.1940, 0.2184



0.7751, 0.2012, 0.2441

Previews

White Background



This preview shows how the Yxy color 28.6986, 0.4309, 0.3729 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 28.6986, 0.4309, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

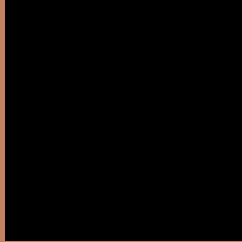
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6986, 0.4309, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 28.6986, 0.4309, 0.3729.



This preview shows how white text looks on a background with the Yxy color 28.6986, 0.4309, 0.3729.

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

28.6986, 0.4309, 0.3729

Protanopia

28.8263, 0.3685, 0.3952

Deuteranopia

28.8125, 0.4020, 0.3947



Tritanopia

28.6678, 0.3925, 0.3173

Trichromacy



Original Color

28.6986, 0.4309, 0.3729

Protanomaly

28.4664, 0.3910, 0.3873

Deuteranomaly

28.6432, 0.4129, 0.3855

Tritanomaly

28.7013, 0.4065, 0.3373

Monochromacy



Original Color

28.6986, 0.4309, 0.3729

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.3140, 0.3534, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6986, 0.4309, 0.3729 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(197, 130, 97)` looks like.

```
.text, #text, p{  
    color:rgb(197, 130, 97)  
}
```

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(197, 130, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 130, 97) }
```

Border

The CSS property to change the border of an element to Yxy 28.6986, 0.4309, 0.3729 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(197, 130, 97) }
```

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

```
.border{ border-color:rgb(197, 130, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 130, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 130, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 130, 97);  
box-shadow:4px 4px 4px 4px rgb(197, 130,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6986, 0.4309, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 130, 97) }
```

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

```
.background{ background-color: rgb(197,  
130, 97) }
```

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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