

Converting Colors

$Y_{xy}(27.8371, 0.4116, 0.4113)$

Have a look what the booklet for
Yxy(27.8371, 0.4116, 0.4113)
contains.

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Color

Yxy(27.8451, 0.4113, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	AC8B52
RGB	172, 139, 82
RGB Percent	67%, 55%, 32%
CMY	0.3256, 0.4548, 0.6784
CMYK	0.00, 0.19, 0.52, 0.33
HSL	38°, 35%, 50%
HSV	38°, 52%, 67%
XYZ	27.7641, 27.8451, 11.8941
YIQ	142.3690, 37.9650, -10.7310

Conversions

Conversions Part 2

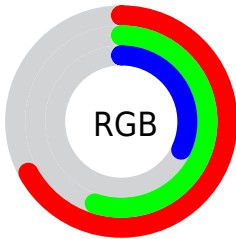
Format	Color
RYB	134, 172, 82
Decimal	11307858
CIELab	59.75, 5.25, 34.99
CIELCh	60, 35.387, 81.463
Yxy	27.8451, 0.4113, 0.4125
Android (android.graphics.Color)	4289497938 (0xFFAC8B52)
YUV	142.3690, -29.7619, 25.9864
Hunter-Lab	52.7685, 1.5729, 23.5739

Details

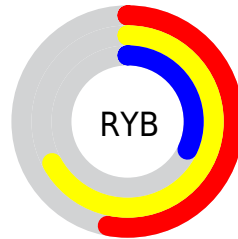
The Yxy color **27.8451, 0.4113, 0.4125** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0229, 0.2259, 0.2255**, and the grayscale version is **27.3130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0507, 0.3914, 0.3960**, and **11.0480, 0.4416, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **25.8444, 0.4332, 0.4256**, and if you desaturate by 10%, it is **30.0192, 0.3897, 0.3973**.

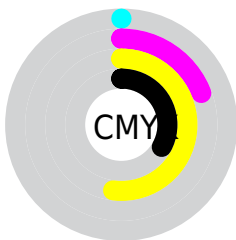
Distribution



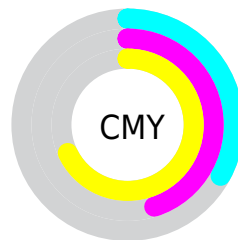
- Red (67%)
- Green (55%)
- Blue (32%)



- Red (53%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (19%)
- Yellow (52%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8451, 0.4113, 0.4125 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 27.8451, 0.4113, 0.4125 by changing the saturation by 10% instead.


 27.8451, 0.4113,
0.4125


 27.8451, 0.4113,
0.4125


291.7260, 0.3589,
0.3694


 18.2089, 0.4248,
0.4230


 56.2370, 0.3918,
0.3968


 11.1001, 0.4421,
0.4359


 75.7616, 0.3845,
0.3909


 6.1342, 0.4641,
0.4513


 99.3511, 0.3785,
0.3859

 2.9269, 0.5124,
0.4876

 127.3899, 0.3734,
0.3816

 1.0937, 0.5220,
0.4780

 160.2623, 0.3690,
0.3779

 0.0000, 1.0000,
0.0000

198.3529, 0.3651,

 0.0000, 0.0000,

0.3747

0.0000

242.0460, 0.3618,
0.3719

■ 27.8451, 0.4113,
0.4125

■ 27.8451, 0.4113,
0.4125

■ 25.8444, 0.4332,
0.4256

■ 30.0192, 0.3897,
0.3973

■ 24.0063, 0.4544,
0.4355

■ 32.3689, 0.3690,
0.3810

■ 22.3247, 0.4738,
0.4412

■ 34.9013, 0.3497,
0.3644

■ 20.7909, 0.4905,
0.4419

■ 37.6218, 0.3321,
0.3481

■ 19.7002, 0.5017,
0.4398

■ 40.5356, 0.3162,
0.3325

■ 43.6473, 0.3019,
0.3178

■ 46.9618, 0.2892,
0.3040

■ 50.4835, 0.2779,
0.2914

■ 54.2167, 0.2679,
0.2797

Harmonies

Analogous

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



27.8451, 0.4300, 0.3719



27.8451, 0.4113, 0.4125



27.8451, 0.3665, 0.4353

Triad

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



27.8451, 0.4113, 0.4125



27.8451, 0.2203, 0.3188



27.8451, 0.3070, 0.2530

Complementary

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



27.8451, 0.4113, 0.4125



17.0229, 0.2259, 0.2255

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.



27.8451, 0.2540, 0.2378



27.8451, 0.4113, 0.4125



27.8451, 0.2078, 0.2696

Square

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



27.8451, 0.4113, 0.4125



27.8451, 0.2563, 0.3789



27.8451, 0.2195, 0.2424



27.8451, 0.3669, 0.2844

Rectangle

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



27.8451, 0.4113, 0.4125



27.8451, 0.3289, 0.4327



27.8451, 0.2195, 0.2424



27.8451, 0.2878, 0.2459

Sweetspot

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



27.8464, 0.4113, 0.4125



66.2758, 0.3389, 0.3545



16.0398, 0.4038, 0.2802



14.1908, 0.3424, 0.3578



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.8464, 0.4113, 0.4125



46.2768, 0.4371, 0.4277



37.5739, 0.3754, 0.4585



8.8294, 0.3271, 0.3433



14.7730, 0.5007, 0.4407



0.5105, 0.4704, 0.4647

Inverse Universe

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



17.0229, 0.2259, 0.2255



24.5190, 0.2067, 0.1971



11.3919, 0.2254, 0.1703



8.2197, 0.2986, 0.3142



4.9592, 0.1665, 0.1195



0.2441, 0.1843, 0.1833

Previews

White Background



This preview shows how the Yxy color 27.8451, 0.4113, 0.4125 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 27.8451, 0.4113, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

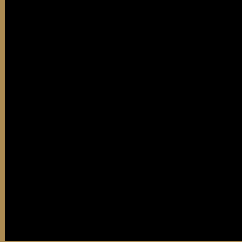
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8451, 0.4113, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 27.8451, 0.4113, 0.4125.



This preview shows how white text looks on a background with the Yxy color 27.8451, 0.4113, 0.4125.

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

27.8451, 0.4113, 0.4125

Protanopia

27.8557, 0.3893, 0.4224

Deuteranopia

27.7306, 0.4176, 0.4081



Tritanopia

27.8026, 0.3538, 0.3146

Trichromacy



Original Color

27.8451, 0.4113, 0.4125

Protanomaly

27.7571, 0.3976, 0.4190

Deuteranomaly

27.9001, 0.4156, 0.4099

Tritanomaly

27.7980, 0.3759, 0.3514

Monochromacy



Original Color

27.8451, 0.4113, 0.4125

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1781, 0.3480, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8451, 0.4113, 0.4125 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(172, 139, 82)` looks like.

```
.text, #text, p{  
    color:rgb(172, 139, 82)  
}
```

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(172, 139, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 139, 82) }
```

Border

The CSS property to change the border of an element to Yxy 27.8451, 0.4113, 0.4125 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(172, 139, 82) }
```

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

```
.border{ border-color:rgb(172, 139, 82) }
```

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

Here you see how a box with a 4 pixel rgb(172, 139, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 139, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 139, 82);  
box-shadow:4px 4px 4px 4px rgb(172, 139,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8451, 0.4113, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 139, 82) }
```

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

```
.background{ background-color: rgb(172,  
139, 82) }
```

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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