

Converting Colors

$Y_{xy}(28.0034, 0.4141, 0.3325)$

Have a look what the booklet for
Yxy(28.0034, 0.4141, 0.3325)
contains.

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Color

Yxy(27.8317, 0.4139, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	CA7A78
RGB	202, 122, 120
RGB Percent	79%, 48%, 47%
CMY	0.2078, 0.5216, 0.5294
CMYK	0.00, 0.40, 0.41, 0.21
HSL	1°, 44%, 63%
HSV	1°, 41%, 79%
XYZ	34.7079, 27.8317, 21.3161
YIQ	145.6920, 48.3220, 16.3380

Conversions

Conversions Part 2

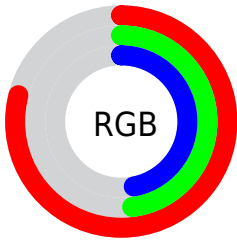
Format	Color
R_{YB}	202, 122, 120
Decimal	13269624
CIE Lab	59.74, 30.93, 14.45
CIE LCh	60, 34.141, 25.039
Yxy	27.8317, 0.4139, 0.3319
Android (android.graphics.Color)	4291459704 (0xFFCA7A78)
YUV	145.6920, -12.6662, 49.3821
Hunter-Lab	52.7558, 25.1121, 12.9727

Details

The Yxy color **27.8317, 0.4139, 0.3319** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **49.5728, 0.2570, 0.3261**, and the grayscale version is **28.6510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8985, 0.3876, 0.3324**, and **11.1224, 0.4491, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **23.0338, 0.4538, 0.3326**, and if you desaturate by 10%, it is **33.7174, 0.3805, 0.3312**.

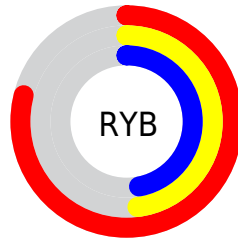
Distribution



Red (79%)

Green (48%)

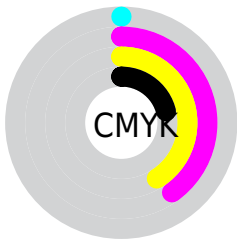
Blue (47%)



Red (79%)

Yellow (48%)

Blue (47%)

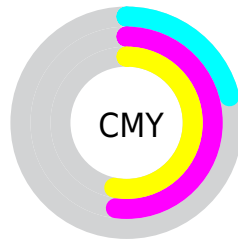


Cyan (0%)

Magenta (40%)

Yellow (41%)

Black (21%)



Cyan (21%)


Magenta (52%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8317, 0.4139, 0.3319 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 27.8317, 0.4139, 0.3319 by changing the saturation by 10% instead.


 27.8317, 0.4139,
0.3319


 27.8317, 0.4139,
0.3319


291.6618, 0.3584,
0.3321


 18.1988, 0.4294,
0.3311


 56.2156, 0.3925,
0.3325

 11.0928, 0.4504,
0.3295


 75.7355, 0.3849,
0.3325

 6.1293, 0.4802,
0.3263

 99.3198, 0.3785,
0.3325

 2.9239, 0.5251,
0.3191

127.3529, 0.3732,
0.3324

 1.0921, 0.6336,
0.3187

160.2193, 0.3687,
0.3324

 0.0000, 1.0000,
0.0000

198.3033, 0.3648,

 0.0000, 0.0000,


0.3323


0.0000


241.9894, 0.3614,
0.3322

 27.8317, 0.4139,
0.3319


 27.8317, 0.4139,
0.3319


 23.0338, 0.4538,
0.3326

 33.7174, 0.3805,
0.3312


 19.2532, 0.4990,
0.3330


 40.7473, 0.3532,
0.3304


 16.4179, 0.5463,
0.3331


 48.9792, 0.3312,
0.3297


 14.4444, 0.5895,
0.3327


 58.4654, 0.3136,
0.3290

 13.2348, 0.6215,
0.3318

 69.2555, 0.2995,
0.3284

 12.6632, 0.6385,
0.3312

 81.3960, 0.2881,
0.3279

 91.2968, 0.2816,
0.3289

Harmonies

Analogous

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



27.8317, 0.3715, 0.2904



27.8317, 0.4139, 0.3319



27.8317, 0.4255, 0.3759

Triad

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



27.8317, 0.4139, 0.3319



27.8317, 0.3032, 0.4174



27.8317, 0.2253, 0.2436

Complementary

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



27.8317, 0.4139, 0.3319



49.5728, 0.2570, 0.3261

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.



27.8317, 0.2112, 0.2674



27.8317, 0.4139, 0.3319



27.8317, 0.2531, 0.3704

Square

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



27.8317, 0.4139, 0.3319



27.8317, 0.3586, 0.4322



27.8317, 0.2206, 0.3128



27.8317, 0.2613, 0.2414

Rectangle

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



27.8317, 0.4139, 0.3319



27.8317, 0.4144, 0.4026



27.8317, 0.2206, 0.3128



27.8317, 0.2180, 0.2490

Sweetspot

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



27.8331, 0.4139, 0.3319



80.5911, 0.3344, 0.3298



30.1930, 0.3187, 0.2315



16.8385, 0.3371, 0.3299



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.



27.8331, 0.4139, 0.3319



39.6705, 0.4499, 0.3325



39.8860, 0.3919, 0.3837



11.2565, 0.3290, 0.3296



8.1673, 0.6381, 0.3316



0.4370, 0.6313, 0.3370

Inverse Universe

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



49.5728, 0.2570, 0.3261



81.5705, 0.2475, 0.3254



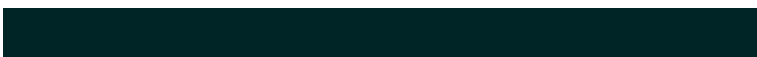
33.2759, 0.2476, 0.2665



12.6785, 0.2984, 0.3284



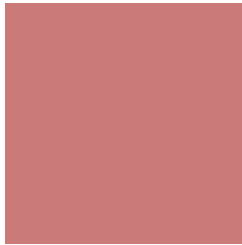
28.4890, 0.2226, 0.3214



1.4848, 0.2230, 0.3229

Previews

White Background



This preview shows how the Yxy color 27.8317, 0.4139, 0.3319 looks on a white background.

Color Contrast Check

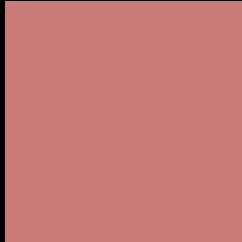
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8317, 0.4139, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

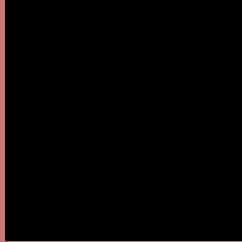
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8317, 0.4139, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 27.8317, 0.4139, 0.3319.



This preview shows how white text looks on a background with the Yxy color 27.8317, 0.4139, 0.3319.

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

27.8317, 0.4139, 0.3319

Protanopia

28.0692, 0.3323, 0.3500

Deuteranopia

28.0744, 0.3694, 0.3627



Tritanopia

27.9562, 0.4041, 0.3188

Trichromacy



Original Color

27.8317, 0.4139, 0.3319

Protanomaly

27.5756, 0.3605, 0.3428

Deuteranomaly

27.7864, 0.3850, 0.3510

Tritanomaly

27.8776, 0.4079, 0.3228

Monochromacy



Original Color

27.8317, 0.4139, 0.3319

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8045, 0.3455, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8317, 0.4139, 0.3319 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(202, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(202, 122, 120)  
}
```

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(202, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 122, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.8317, 0.4139, 0.3319 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(202, 122, 120) }
```

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

```
.border{ border-color:rgb(202, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(202, 122,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8317, 0.4139, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 122, 120) }
```

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

```
.background{ background-color: rgb(202,  
122, 120) }
```

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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