

Converting Colors

$Y_{xy}(27.7874, 0.4112, 0.3329)$

Have a look what the booklet for
Yxy(27.7874, 0.4112, 0.3329)
contains.

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Color

Yxy(27.8013, 0.4111, 0.3333)

Conversions

Conversions Part 1	
Format	Color
Hex	C87B78
RGB	200, 123, 120
RGB Percent	78%, 48%, 47%
CMY	0.2157, 0.5176, 0.5295
CMYK	0.00, 0.38, 0.40, 0.22
HSL	2°, 42%, 63%
HSV	2°, 40%, 78%
XYZ	34.2908, 27.8013, 21.3202
YIQ	145.6810, 46.8550, 15.3910

Conversions

Conversions Part 2

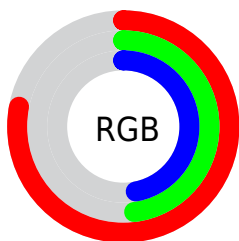
Format	Color
RYB	200, 123, 120
Decimal	13138808
CIELab	59.71, 29.61, 14.39
CIELCh	60, 32.927, 25.923
Yxy	27.8013, 0.4111, 0.3333
Android (android.graphics.Color)	4291328888 (0xFFC87B78)
YUV	145.6810, -12.6607, 47.6378
Hunter-Lab	52.7269, 23.8147, 12.9349

Details

The Yxy color $27.8013, 0.4111, 0.3333$ is a dark color, and the websafe version is hex CC6666 . A complement of this color would be $48.0774, 0.2574, 0.3246$, and the grayscale version is $28.6459, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2892, 0.3872, 0.3334$, and $11.0726, 0.4450, 0.3312$ is the 20% darker color. If you saturate the color by 10%, you get $23.0525, 0.4502, 0.3343$, and if you desaturate by 10%, it is $33.5924, 0.3784, 0.3322$.

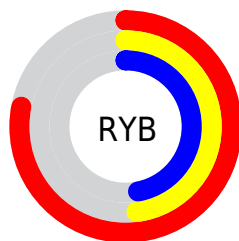
Distribution



Red (78%)

Green (48%)

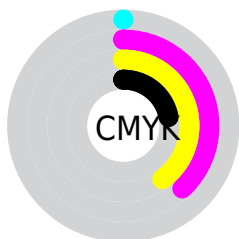
Blue (47%)



Red (78%)

Yellow (48%)

Blue (47%)

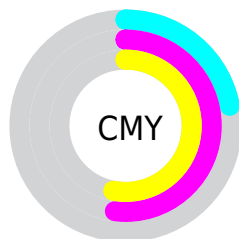


Cyan (0%)

Magenta (38%)

Yellow (40%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8013, 0.4111, 0.3333 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 27.8013, 0.4111, 0.3333 by changing the saturation by 10% instead.

 27.8013, 0.4111,
0.3333


 27.8013, 0.4111,
0.3333


291.5162, 0.3572,
0.3327


 18.1759, 0.4262,
0.3328


 56.1671, 0.3903,
0.3335

 11.0764, 0.4467,
0.3315


 75.6762, 0.3829,
0.3335

 6.1182, 0.4757,
0.3288


 99.2488, 0.3767,
0.3334

 2.9171, 0.5196,
0.3225

127.2691, 0.3715,
0.3332

 1.0886, 0.6270,
0.3242

160.1216, 0.3671,
0.3331

 0.0000, 1.0000,
0.0000


198.1907, 0.3634,


 0.0000, 0.0000,

0.3329

0.0000


241.8608, 0.3601,
0.3328


 27.8013, 0.4111,
0.3333


 27.8013, 0.4111,
0.3333


 23.0525, 0.4502,
0.3343


 33.5924, 0.3784,
0.3322

 19.2804, 0.4947,
0.3349


 40.4784, 0.3516,
0.3311


 16.4183, 0.5416,
0.3351


 48.5129, 0.3301,
0.3300


 14.3894, 0.5852,
0.3344


 57.7452, 0.3127,
0.3290

 13.1042, 0.6184,
0.3331

 68.2214, 0.2988,
0.3281

 12.4436, 0.6376,
0.3319

 79.9853, 0.2875,
0.3273

 91.0190, 0.2805,
0.3289

Harmonies

Analogous

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



27.8013, 0.3710, 0.2928



27.8013, 0.4111, 0.3333



27.8013, 0.4214, 0.3759

Triad

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



27.8013, 0.4111, 0.3333



27.8013, 0.3022, 0.4131



27.8013, 0.2288, 0.2460

Complementary

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



27.8013, 0.4111, 0.3333



48.0774, 0.2574, 0.3246

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.



27.8013, 0.2145, 0.2687



27.8013, 0.4111, 0.3333



27.8013, 0.2539, 0.3673

Square

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



27.8013, 0.4111, 0.3333



27.8013, 0.3558, 0.4286



27.8013, 0.2229, 0.3120



27.8013, 0.2643, 0.2443

Rectangle

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



27.8013, 0.4111, 0.3333



27.8013, 0.4103, 0.4014



27.8013, 0.2229, 0.3120



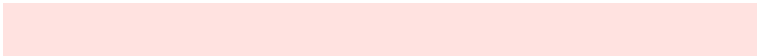
27.8013, 0.2216, 0.2511

Sweetspot

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



27.8027, 0.4111, 0.3333



80.8172, 0.3343, 0.3302



29.7525, 0.3200, 0.2342



16.8912, 0.3371, 0.3304



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.



27.8027, 0.4111, 0.3333



40.9020, 0.4447, 0.3342



39.7061, 0.3897, 0.3845



10.7003, 0.3289, 0.3299



7.9420, 0.6369, 0.3325



0.3991, 0.6258, 0.3413

Inverse Universe

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



48.0774, 0.2574, 0.3246



80.7693, 0.2482, 0.3235



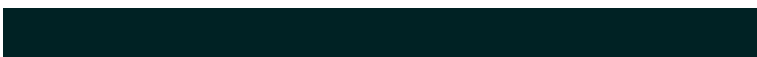
32.3834, 0.2483, 0.2655



11.9959, 0.2984, 0.3281



26.7700, 0.2215, 0.3172



1.2895, 0.2222, 0.3198

Previews

White Background



This preview shows how the Yxy color 27.8013, 0.4111, 0.3333 looks on a white background.

Color Contrast Check

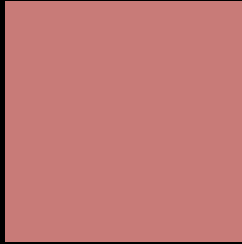
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8013, 0.4111, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

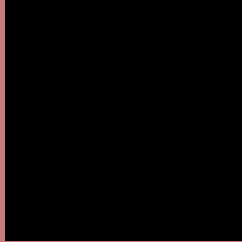
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8013, 0.4111, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 27.8013, 0.4111, 0.3333.



This preview shows how white text looks on a background with the Yxy color 27.8013, 0.4111, 0.3333.

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

27.8013, 0.4111, 0.3333

Protanopia

28.0423, 0.3333, 0.3516

Deuteranopia

28.0744, 0.3694, 0.3627



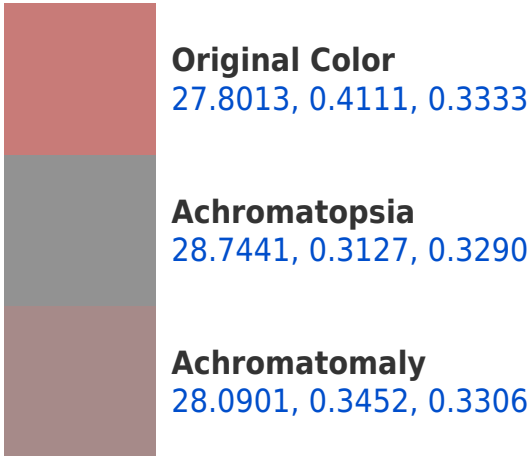
Tritanopia

27.7040, 0.4005, 0.3174

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8013, 0.4111, 0.3333 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(200, 123, 120) looks like.

```
.text, #text, p{  
    color:rgb(200, 123, 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(200, 123, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 123, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.8013, 0.4111, 0.3333 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(200, 123, 120) }
```

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

```
.border{ border-color:rgb(200, 123, 120) }
```

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

Here you see how a box with a 4 pixel rgb(200, 123, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 123, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 123, 120);  
box-shadow:4px 4px 4px 4px rgb(200, 123,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8013, 0.4111, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 123, 120) }
```

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

```
.background{ background-color: rgb(200,  
123, 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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