

Converting Colors

$Y_{xy}(27.7601, 0.4069, 0.3188)$

Have a look what the booklet for
Yxy(27.7601, 0.4069, 0.3188)
contains.

Yxy(27.8288, 0.4070, 0.3189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.8288, 0.4070, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	CC7880
RGB	204, 120, 128
RGB Percent	80%, 47%, 50%
CMY	0.1999, 0.5294, 0.4981
CMYK	0.00, 0.41, 0.37, 0.20
HSL	354°, 45%, 64%
HSV	354°, 41%, 80%
XYZ	35.5168, 27.8288, 23.9193
YIQ	146.0280, 47.4960, 20.2960

Conversions

Conversions Part 2

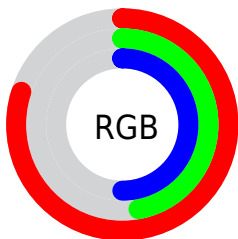
Format	Color
R_{YB}	204, 120, 128
Decimal	13400192
CIE _{Lab}	59.73, 33.70, 9.90
CIE _{LCh}	60, 35.123, 16.368
Yxy	27.8288, 0.4070, 0.3189
Android (android.graphics.Color)	4291590272 (0xFFCC7880)
YUV	146.0280, -8.8878, 50.8414
Hunter-Lab	52.7530, 27.8603, 10.0438

Details

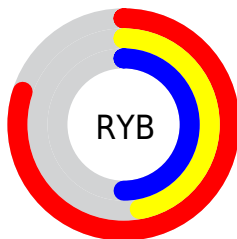
The Yxy color **27.8288, 0.4070, 0.3189** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.1711, 0.2611, 0.3400**, and the grayscale version is **28.7796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4833, 0.3799, 0.3208**, and **11.0238, 0.4411, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **22.9922, 0.4439, 0.3169**, and if you desaturate by 10%, it is **33.8019, 0.3761, 0.3214**.

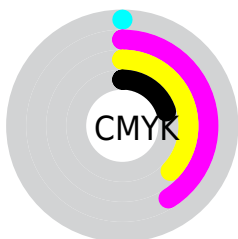
Distribution



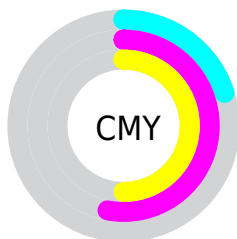
- Red (80%)
- Green (47%)
- Blue (50%)



- Red (80%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (41%)
- Yellow (37%)
- Black (20%)





- Cyan (20%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8288, 0.4070, 0.3189 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 27.8288, 0.4070, 0.3189 by changing the saturation by 10% instead.


 27.8288, 0.4070,
0.3189


 27.8288, 0.4070,
0.3189


291.6480, 0.3554,
0.3256


 18.1966, 0.4215,
0.3165


 56.2110, 0.3871,
0.3218

 11.0913, 0.4411,
0.3130


 75.7298, 0.3800,
0.3228

 6.1283, 0.4689,
0.3073


 99.3130, 0.3741,
0.3235

 2.9232, 0.5114,
0.2972

127.3449, 0.3692,
0.3241

 1.0918, 0.5938,
0.2819

160.2100, 0.3650,
0.3246

 0.0000, 1.0000,
0.0000


198.2926, 0.3613,


 0.0000, 0.0000,


0.3250


0.0000


241.9771, 0.3582,
0.3253


 27.8288, 0.4070,
0.3189


 27.8288, 0.4070,
0.3189


 22.9922, 0.4439,
0.3169


 33.8019, 0.3761,
0.3214


 19.2161, 0.4863,
0.3156


 40.9730, 0.3510,
0.3239

 16.4220, 0.5315,
0.3157


 49.4038, 0.3307,
0.3264


 14.5185, 0.5747,
0.3175

 59.1509, 0.3144,
0.3287

 13.3971, 0.6096,
0.3211

 70.2673, 0.3013,
0.3309

 12.8876, 0.6301,
0.3245

 82.8030, 0.2907,
0.3329

 91.5792, 0.2827,
0.3289

Harmonies

Analogous

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



27.8288, 0.3568, 0.2785



27.8288, 0.4070, 0.3189



27.8288, 0.4289, 0.3640

Triad

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



27.8288, 0.4070, 0.3189



27.8288, 0.3194, 0.4286



27.8288, 0.2165, 0.2460

Complementary

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



27.8288, 0.4070, 0.3189



51.1711, 0.2611, 0.3400

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.



27.8288, 0.2089, 0.2770



27.8288, 0.4070, 0.3189



27.8288, 0.2648, 0.3880

Square

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



27.8288, 0.4070, 0.3189



27.8288, 0.3749, 0.4327



27.8288, 0.2254, 0.3288



27.8288, 0.2471, 0.2377

Rectangle

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



27.8288, 0.4070, 0.3189



27.8288, 0.4239, 0.3930



27.8288, 0.2254, 0.3288



27.8288, 0.2113, 0.2537

Sweetspot

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



27.8302, 0.4070, 0.3189



80.3499, 0.3325, 0.3262



29.4766, 0.3088, 0.2259



16.7824, 0.3350, 0.3258



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.



27.8302, 0.4070, 0.3189



39.1898, 0.4378, 0.3171



37.1760, 0.3986, 0.3725



11.2307, 0.3275, 0.3268



8.1167, 0.6281, 0.3234



0.4248, 0.5934, 0.3043

Inverse Universe

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



27.8302, 0.4070, 0.3189



39.1898, 0.4378, 0.3171



37.2556, 0.2490, 0.2803



11.2307, 0.3275, 0.3268



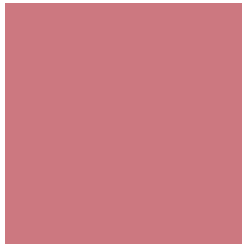
8.1167, 0.6281, 0.3234



0.4248, 0.5934, 0.3043

Previews

White Background



This preview shows how the Yxy color 27.8288, 0.4070, 0.3189 looks on a white background.

Color Contrast Check

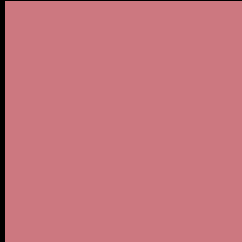
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8288, 0.4070, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

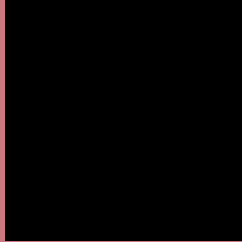
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8288, 0.4070, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 27.8288, 0.4070, 0.3189.



This preview shows how white text looks on a background with the Yxy color 27.8288, 0.4070, 0.3189.

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

27.8288, 0.4070, 0.3189

Protanopia

28.1655, 0.3199, 0.3338

Deuteranopia

27.9452, 0.3570, 0.3507



Tritanopia

27.8553, 0.4057, 0.3176

Trichromacy



Original Color

27.8288, 0.4070, 0.3189

Protanomaly

27.4304, 0.3494, 0.3276

Deuteranomaly

27.5926, 0.3749, 0.3379

Tritanomaly

27.8553, 0.4057, 0.3176

Monochromacy



Original Color

27.8288, 0.4070, 0.3189

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9709, 0.3444, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8288, 0.4070, 0.3189 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(204, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 120, 128)  
}
```

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(204, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 120, 128) }
```

Border

The CSS property to change the border of an element to Yxy 27.8288, 0.4070, 0.3189 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(204, 120, 128) }
```

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

```
.border{ border-color:rgb(204, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 120,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8288, 0.4070, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 120, 128) }
```

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

```
.background{ background-color: rgb(204,  
120, 128) }
```

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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