Converting Colors

Yxy(28.7932, 0.3906, 0.3038)

Have a look what the booklet for Yxy(28.7932, 0.3906, 0.3038) contains.

Yxy(28.8213, 0.3906, 0.3047) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(28.8213, 0.3906, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	CD7A8D
RGB	205, 122, 141
RGB Percent	80%, 48%, 55%
CMY	0.1960, 0.5216, 0.4470
CMYK	0.00, 0.40, 0.31, 0.20
HSL	346°, 45%, 64%
HSV	346°, 40%, 80%
XYZ	36.9465, 28.8213, 28.8213
YIQ	148.9830, 43.3690, 23.5050

Conversions

Conversions Part 2

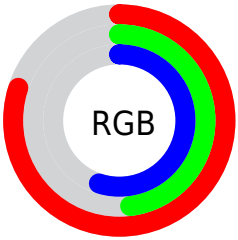
Format	Color
RYB	205, 122, 141
Decimal	13466253
CIELab	60.62, 34.63, 3.70
CIELCh	61, 34.829, 6.090
Yxy	28.8213, 0.3906, 0.3047
Android (android.graphics.Color)	4291656333 (0xFFCD7A8D)
YUV	148.9830, -3.9356, 49.1269
Hunter-Lab	53.6855, 28.8947, 5.7497

Details

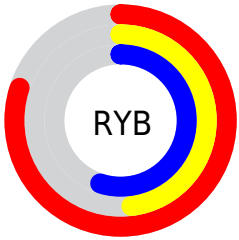
The Yxy color 28.8213, 0.3906, 0.3047 is a light color, and the websafe version is hex CC6666. A complement of this color would be 51.3484, 0.2682, 0.3556, and the grayscale version is 30.0516, 0.3127, 0.3290.

A 20% lighter version of the original color is 56.2508, 0.3663, 0.3093, and 11.6514, 0.4190, 0.2953 is the 20% darker color. If you saturate the color by 10%, you get 23.8708, 0.4211, 0.2992, and if you desaturate by 10%, it is 34.9036, 0.3651, 0.3108.

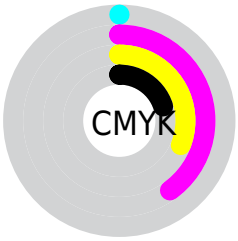
Distribution



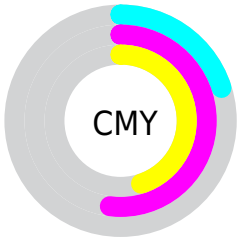
- Red (80%)
- Green (48%)
- Blue (55%)



- Red (80%)
- Yellow (48%)
- Blue (55%)



- Cyan (0%)
- Magenta (40%)
- Yellow (31%)
- Black (20%)



- Cyan (20%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8213, 0.3906, 0.3047 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 28.8213, 0.3906, 0.3047 by changing the saturation by 10% instead.

28.8213, 0.3906, 0.3047

296.3709, 0.3484, 0.3183

57.7930, 0.3744, 0.3100

77.6580, 0.3686, 0.3119

101.6214, 0.3638, 0.3134

130.0678, 0.3597, 0.3147

163.3816, 0.3563, 0.3158

201.9471, 0.3533,

28.8213, 0.3906, 0.3047

18.9457, 0.4023, 0.3008

11.6310, 0.4181, 0.2954

6.4930, 0.4405, 0.2876

3.1471, 0.4745, 0.2753

1.2090, 0.5317, 0.2536

0.0690, 0.9297, 0.0703

0.0000, 0.0000,

0.3167

0.0000

246.1487, 0.3507, 0.3175

28.8213, 0.3906, 0.3047

28.8213, 0.3906, 0.3047

23.8708, 0.4211, 0.2992

34.9036, 0.3651, 0.3108

19.9777, 0.4565, 0.2951

42.1775, 0.3441, 0.3170

17.0653, 0.4956, 0.2934

50.7038, 0.3271, 0.3231

15.0447, 0.5356, 0.2951

60.5379, 0.3133, 0.3287

13.8106, 0.5723, 0.3006

71.7316, 0.3021, 0.3340

13.1851, 0.6009, 0.3084

84.3342, 0.2930, 0.3388

91.5059, 0.2850, 0.3324

91.7202, 0.2833, 0.3289

Harmonies

Analogous

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

28.8213, 0.3359, 0.2682

28.8213, 0.3906, 0.3047

28.8213, 0.4231, 0.3483

Triad

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

28.8213, 0.3906, 0.3047

28.8213, 0.3387, 0.4320

28.8213, 0.2130, 0.2554

Complementary

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

28.8213, 0.3906, 0.3047

51.3484, 0.2682, 0.3556

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.

28.8213, 0.2136, 0.2936

28.8213, 0.3906, 0.3047

28.8213, 0.2831, 0.4037

Square

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

28.8213, 0.3906, 0.3047

28.8213, 0.3900, 0.4244

28.8213, 0.2380, 0.3491

28.8213, 0.2356, 0.2397

Rectangle

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

28.8213, 0.3906, 0.3047

28.8213, 0.4262, 0.3777

28.8213, 0.2380, 0.3491

28.8213, 0.2105, 0.2657

Sweetspot

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

28.8227, 0.3906, 0.3047

80.5793, 0.3297, 0.3221

28.7210, 0.2976, 0.2241

16.8360, 0.3318, 0.3213

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.

28.8227, 0.3906, 0.3047

39.7305, 0.4183, 0.2997

34.3727, 0.4027, 0.3578

11.2551, 0.3255, 0.3237

8.2198, 0.5975, 0.3065

0.4360, 0.5410, 0.2754

Inverse Universe

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

28.8227, 0.3906, 0.3047

39.7305, 0.4183, 0.2997

42.3598, 0.2526, 0.2976

11.2551, 0.3255, 0.3237

8.2198, 0.5975, 0.3065

0.4360, 0.5410, 0.2754

Previews

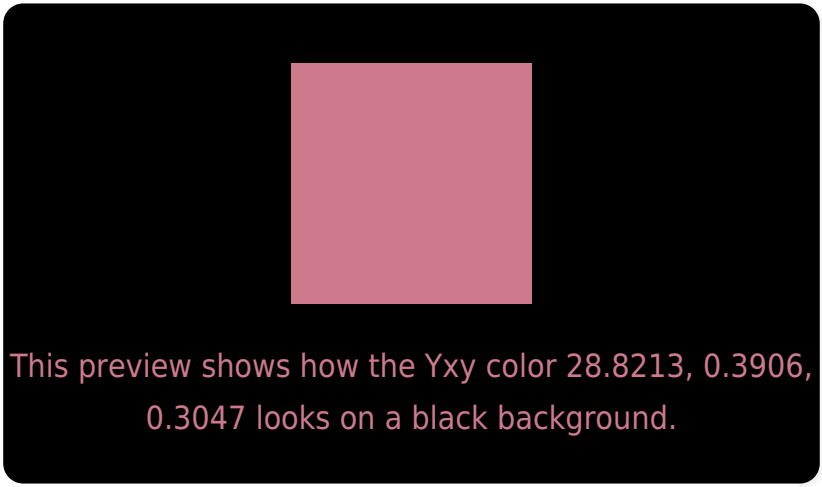
White Background

This preview shows how the Yxy color 28.8213, 0.3906, 0.3047 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



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 28.8213, 0.3906, 0.3047

Background

This preview shows how black text looks on a background with the Yxy color 28.8213, 0.3906, 0.3047.

This preview shows how white text looks on a background with the Yxy color 28.8213, 0.3906, 0.3047.

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
28.8213, 0.3906, 0.3047

Protanopia
29.1274, 0.3052, 0.3149

Deuteranopia
29.0735, 0.3409, 0.3352

Tritanopia
28.6967, 0.3992, 0.3163

Trichromacy

Original Color
28.8213, 0.3906, 0.3047

Protanomaly
28.4182, 0.3335, 0.3098

Deuteranomaly
28.7757, 0.3586, 0.3234

Tritanomaly
28.7809, 0.3954, 0.3124

Monochromacy

Original Color
28.8213, 0.3906, 0.3047

Achromatopsia
30.0544, 0.3127, 0.3290

Achromatomaly
28.9756, 0.3386, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8213, 0.3906, 0.3047 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(205, 122, 141) looks like.

```
.text, #text, p{
    color:rgb(205, 122, 141)
}
```

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(205, 122, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 122, 141) }
```

Border

The CSS property to change the border of an element to Yxy 28.8213, 0.3906, 0.3047 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(205, 122, 141) }
```

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

```
.border{ border-color:rgb(205, 122, 141) }
```

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

Here you see how a box with a 4 pixel rgb(205, 122, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 122, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 122, 141); box-shadow:4px 4px 4px 4px rgb(205, 122, 141) }
```

Background

The CSS property to change the background color of an element to Yxy 28.8213, 0.3906, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(205, 122, 141) }
```

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

```
.background{ background-color:rgb(205, 122, 141) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor