

Converting Colors

$Y_{xy}(23.7831, 0.4168, 0.2820)$

Have a look what the booklet for
Yxy(23.7831, 0.4168, 0.2820)
contains.

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Color

Yxy(23.7886, 0.4167, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	D26086
RGB	210, 96, 134
RGB Percent	82%, 38%, 53%
CMY	0.1765, 0.6235, 0.4745
CMYK	0.00, 0.54, 0.36, 0.18
HSL	340°, 56%, 60%
HSV	340°, 54%, 82%
XYZ	35.0644, 23.7886, 25.2948
YIQ	134.4180, 55.7460, 35.9860

Conversions

Conversions Part 2

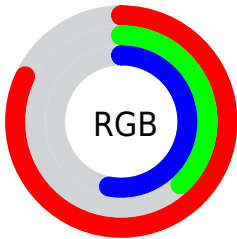
Format	Color
R _Y B	210, 96, 134
Decimal	13787270
CIE Lab	55.88, 48.79, 0.98
CIE LCh	56, 48.804, 1.145
Yxy	23.7886, 0.4167, 0.2827
Android (android.graphics.Color)	4291977350 (0xFFD26086)
YUV	134.4180, -0.2061, 66.2854
Hunter-Lab	48.7736, 42.9740, 3.3926

Details

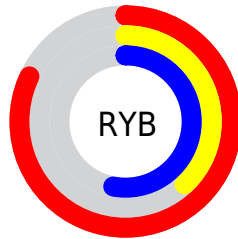
The Yxy color **23.7886, 0.4167, 0.2827** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **51.5608, 0.2636, 0.3848**, and the grayscale version is **23.9882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6605, 0.3806, 0.2906**, and **8.9872, 0.4545, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **20.0907, 0.4480, 0.2771**, and if you desaturate by 10%, it is **28.5639, 0.3892, 0.2904**.

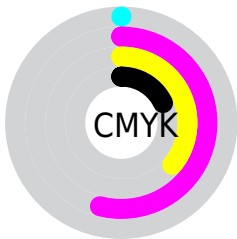
Distribution



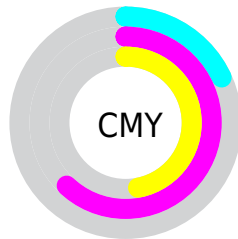
- Red (82%)
- Green (38%)
- Blue (53%)



- Red (82%)
- Yellow (38%)
- Blue (53%)



- Cyan (0%)
- Magenta (54%)
- Yellow (36%)
- Black (18%)




- Cyan (18%)
- Magenta (62%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7886, 0.4167, 0.2827 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 23.7886, 0.4167, 0.2827 by changing the saturation by 10% instead.


 23.7886, 0.4167,
0.2827


 23.7886, 0.4167,
0.2827


271.7500, 0.3591,
0.3085


 15.1769, 0.4331,
0.2753


 49.6850, 0.3943,
0.2928

 8.9436, 0.4556,
0.2651


 67.7385, 0.3864,
0.2963

 4.7044, 0.4879,
0.2504

 89.7080, 0.3798,
0.2993

 2.0749, 0.5379,
0.2274

 115.9779, 0.3743,
0.3017

 0.6505, 0.6332,
0.1849

146.9327, 0.3697,
0.3038

 0.0000, 1.0000,
0.0000

182.9567, 0.3657,

 0.0000, 0.0000,

0.3056

0.0000

224.4343, 0.3622,
0.3071

■ 23.7886, 0.4167,
0.2827

■ 23.7886, 0.4167,
0.2827

■ 20.0907, 0.4480,
0.2771

■ 28.5639, 0.3892,
0.2904

■ 17.3812, 0.4821,
0.2748

■ 34.4893, 0.3659,
0.2991

■ 15.5625, 0.5169,
0.2769

■ 41.6351, 0.3465,
0.3082

■ 14.5149, 0.5493,
0.2839

■ 50.0651, 0.3306,
0.3171

■ 14.1440, 0.5663,
0.2893

■ 59.8384, 0.3175,
0.3255

71.0108, 0.3069,
0.3334

83.6344, 0.2982,
0.3407

91.8766, 0.2908,
0.3383

92.4420, 0.2860,
0.3289

Harmonies

Analogous

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



23.7886, 0.3307, 0.2361



23.7886, 0.4167, 0.2827



23.7886, 0.4727, 0.3403

Triad

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



23.7886, 0.4167, 0.2827



23.7886, 0.3586, 0.4869



23.7886, 0.1705, 0.2273

Complementary

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



23.7886, 0.4167, 0.2827



51.5608, 0.2636, 0.3848

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.



23.7886, 0.1751, 0.2845



23.7886, 0.4167, 0.2827



23.7886, 0.2783, 0.4572

Square

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



23.7886, 0.4167, 0.2827



23.7886, 0.4311, 0.4578



23.7886, 0.2118, 0.3727



23.7886, 0.1955, 0.2038

Rectangle

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



23.7886, 0.4167, 0.2827



23.7886, 0.4806, 0.3811



23.7886, 0.2118, 0.3727



23.7886, 0.1686, 0.2424

Sweetspot

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



23.7898, 0.4167, 0.2827



75.0445, 0.3334, 0.3154



21.7911, 0.2781, 0.1846



15.4612, 0.3366, 0.3136



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.



23.7898, 0.4167, 0.2827



30.4748, 0.4528, 0.2765



26.8093, 0.4580, 0.3526



11.8723, 0.3239, 0.3213



8.6441, 0.5624, 0.2872



0.4979, 0.5103, 0.2585

Inverse Universe

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



23.7898, 0.4167, 0.2827



30.4748, 0.4528, 0.2765



44.4034, 0.2384, 0.3017



11.8723, 0.3239, 0.3213



8.6441, 0.5624, 0.2872



0.4979, 0.5103, 0.2585

Previews

White Background



This preview shows how the Yxy color 23.7886, 0.4167, 0.2827 looks on a white background.

Color Contrast Check

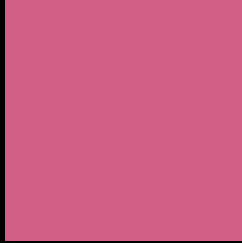
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7886, 0.4167, 0.2827 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 23.7886, 0.4167, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 23.7886, 0.4167, 0.2827.



This preview shows how white text looks on a background with the Yxy color 23.7886, 0.4167, 0.2827.

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

23.7886, 0.4167, 0.2827

Protanopia

23.9552, 0.2856, 0.2889

Deuteranopia

24.0343, 0.3374, 0.3307



Tritanopia

23.8000, 0.4498, 0.3208

Trichromacy



Original Color

23.7886, 0.4167, 0.2827

Protanomaly

22.9738, 0.3269, 0.2840

Deuteranomaly

23.3662, 0.3655, 0.3096

Tritanomaly

23.7633, 0.4391, 0.3072

Monochromacy



Original Color

23.7886, 0.4167, 0.2827

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8356, 0.3486, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7886, 0.4167, 0.2827 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(210, 96, 134)` looks like.

```
.text, #text, p{  
  color:rgb(210, 96, 134)  
}
```

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(210, 96, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 96, 134) }
```

Border

The CSS property to change the border of an element to Yxy 23.7886, 0.4167, 0.2827 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(210, 96, 134) }
```

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

```
.border{ border-color:rgb(210, 96, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 96, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 96, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 96, 134);  
box-shadow:4px 4px 4px 4px rgb(210, 96,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7886, 0.4167, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 96, 134) }
```

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

```
.background{ background-color: rgb(210, 96,  
134) }
```

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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