

Converting Colors

$Y_{xy}(23.8774, 0.3096, 0.1832)$

Have a look what the booklet for
Yxy(23.8774, 0.3096, 0.1832)
contains.

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Color

Yxy(23.8688, 0.3095, 0.1832)

Conversions

Conversions Part 1

Format	Color
Hex	CD52D6
RGB	205, 82, 214
RGB Percent	80%, 32%, 84%
CMY	0.1962, 0.6783, 0.1608
CMYK	0.04, 0.62, 0.00, 0.16
HSL	296°, 62%, 58%
HSV	296°, 62%, 84%
XYZ	40.3242, 23.8688, 66.0952
YIQ	133.8250, 30.9360, 67.1280

Conversions

Conversions Part 2

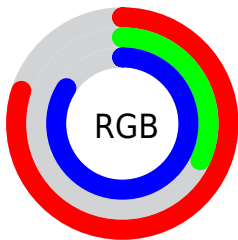
Format	Color
R _{YB}	205, 82, 214
Decimal	13456086
CIE Lab	55.96, 65.55, -45.28
CIE LCh	56, 79.667, 325.363
Yxy	23.8688, 0.3095, 0.1832
Android (android.graphics.Color)	4291646166 (0xFFCD52D6)
YUV	133.8250, 39.5263, 62.4205
Hunter-Lab	48.8557, 61.8317, -46.0124

Details

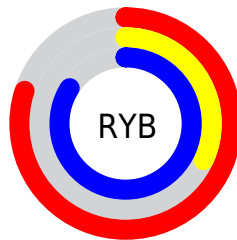
The Yxy color **23.8688, 0.3095, 0.1832** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **50.9269, 0.3079, 0.5247**, and the grayscale version is **23.6212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **8.9692, 0.3022, 0.1472** is the 20% darker color. If you saturate the color by 10%, you get **20.9214, 0.3082, 0.1672**, and if you desaturate by 10%, it is **27.8264, 0.3106, 0.2029**.

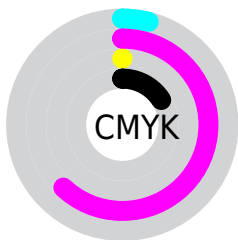
Distribution



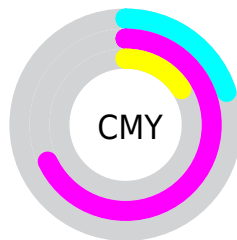
- Red (80%)
- Green (32%)
- Blue (84%)



- Red (80%)
- Yellow (32%)
- Blue (84%)



- Cyan (4%)
- Magenta (62%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8688, 0.3095, 0.1832 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 23.8688, 0.3095, 0.1832 by changing the saturation by 10% instead.


 23.8688, 0.3095,
0.1832


 23.8688, 0.3095,
0.1832


272.1565, 0.3147,
0.2530


 15.2363, 0.3071,
0.1672


 49.8160, 0.3122,
0.2076

 8.9854, 0.3033,
0.1477


 67.8995, 0.3130,
0.2170

 4.7317, 0.2973,
0.1237


 89.9022, 0.3136,
0.2251

 2.0907, 0.2872,
0.0940

 116.2084, 0.3140,
0.2322

 0.6594, 0.2693,
0.0568

147.2026, 0.3143,
0.2384

 0.0000, 0.2386,
0.0000

183.2690, 0.3145,


 0.0000, 0.0724,


0.2438


0.0000


224.7922, 0.3146,
0.2486


 0.0000, 0.0000,
0.0000


 23.8688, 0.3095,
0.1832

 23.8688, 0.3095,
0.1832


 20.9214, 0.3082,
0.1672


 27.8264, 0.3106,
0.2029

 18.8839, 0.3067,
0.1555


 32.8757, 0.3115,
0.2254

 17.6412, 0.3051,
0.1482

 39.0935, 0.3121,
0.2498

 17.0458, 0.3037,
0.1446

 46.5487, 0.3125,
0.2750

 55.3050, 0.3127,
0.3004

■ 65.4216, 0.3127,
0.3250

■ 76.9542, 0.3126,
0.3485

■ 89.9553, 0.3124,
0.3705

■ 91.3018, 0.3132,
0.3721

Harmonies

Analogous

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



23.8688, 0.1971, 0.1516



23.8688, 0.3095, 0.1832



23.8688, 0.4537, 0.2409

Triad

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



23.8688, 0.3095, 0.1832



23.8688, 0.4903, 0.4850



23.8688, 0.1167, 0.2712

Complementary

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



23.8688, 0.3095, 0.1832



50.9269, 0.3079, 0.5247

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.



23.8688, 0.1688, 0.4312



23.8688, 0.3095, 0.1832



23.8688, 0.3827, 0.5713

Square

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



23.8688, 0.3095, 0.1832



23.8688, 0.5621, 0.3930



23.8688, 0.2672, 0.5730



23.8688, 0.1080, 0.1825

Rectangle

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



23.8688, 0.3095, 0.1832



23.8688, 0.5323, 0.2883



23.8688, 0.2672, 0.5730



23.8688, 0.1285, 0.3175

Sweetspot

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



23.8699, 0.3095, 0.1832



73.5395, 0.3126, 0.2839



14.4852, 0.1965, 0.1457



14.9584, 0.3125, 0.2764



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.



23.8699, 0.3095, 0.1832



30.0455, 0.3077, 0.1632



22.8393, 0.3891, 0.2401



12.5875, 0.3127, 0.3060



10.3224, 0.3039, 0.1448



0.6359, 0.3070, 0.1465

Inverse Universe

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



21.0921, 0.4946, 0.3196



25.7591, 0.5548, 0.3202



51.6920, 0.2770, 0.4468



12.4344, 0.3280, 0.3274



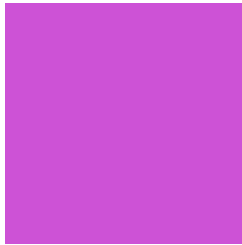
8.6669, 0.6322, 0.3256



0.5277, 0.6086, 0.3127

Previews

White Background



This preview shows how the Yxy color 23.8688, 0.3095, 0.1832 looks on a white background.

Color Contrast Check

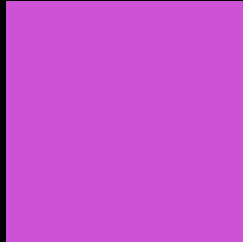
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8688, 0.3095, 0.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

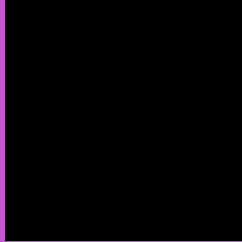
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8688, 0.3095, 0.1832

Background



This preview shows how black text looks on a background with the Yxy color 23.8688, 0.3095, 0.1832.

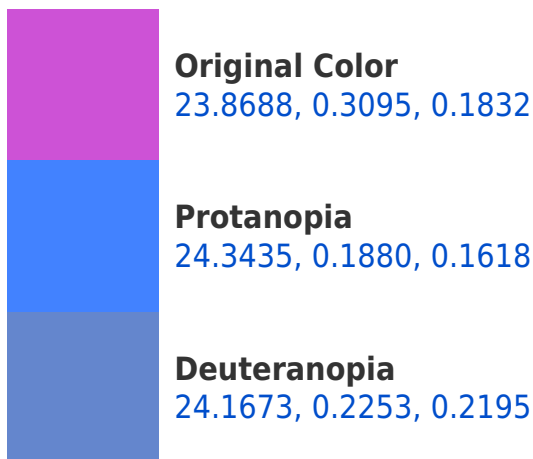


This preview shows how white text looks on a background with the Yxy color 23.8688, 0.3095, 0.1832.

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





Tritanopia

23.7973, 0.4126, 0.3184

Trichromacy



Original Color

23.8688, 0.3095, 0.1832



Protanomaly

21.8834, 0.2130, 0.1609



Deuteranomaly

22.2188, 0.2484, 0.1971



Tritanomaly

23.2846, 0.3725, 0.2602

Monochromacy



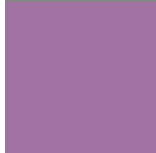
Original Color

23.8688, 0.3095, 0.1832



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.3794, 0.3125, 0.2568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8688, 0.3095, 0.1832 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, 82, 214)` looks like.

```
.text, #text, p{  
    color:rgb(205, 82, 214)  
}
```

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, 82, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 82, 214) }
```

Border

The CSS property to change the border of an element to Yxy 23.8688, 0.3095, 0.1832 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, 82, 214) }
```

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

```
.border{ border-color:rgb(205, 82, 214) }
```

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

Here you see how a box with a 4 pixel rgb(205, 82, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 82, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 82, 214);  
box-shadow:4px 4px 4px 4px rgb(205, 82,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8688, 0.3095, 0.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 82, 214) }
```

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

```
.background{ background-color: rgb(205, 82,  
214) }
```

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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