

Converting Colors

$Y_{xy}(28.5737, 0.3871, 0.2091)$

Have a look what the booklet for
Yxy(28.5737, 0.3871, 0.2091)
contains.

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Color

Yxy(28.5830, 0.3876, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DC4
RGB	255, 61, 196
RGB Percent	100%, 24%, 77%
CMY	0.0000, 0.7610, 0.2313
CMYK	0.00, 0.76, 0.23, 0.00
HSL	318°, 100%, 62%
HSV	318°, 76%, 100%
XYZ	52.8820, 28.5830, 54.9694
YIQ	134.3960, 72.2890, 83.1130

Conversions

Conversions Part 2

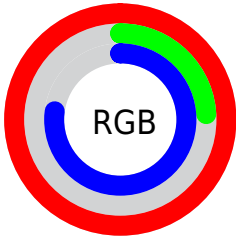
Format	Color
R _Y B	255, 61, 196
Decimal	16727492
CIE _{Lab}	60.41, 81.88, -27.51
CIE _{LCh}	60, 86.374, 341.430
Yxy	28.5830, 0.3876, 0.2095
Android (android.graphics.Color)	4294917572 (0xFFFF3DC4)
YUV	134.3960, 30.3708, 105.7697
Hunter-Lab	53.4631, 82.9994, -23.5364

Details

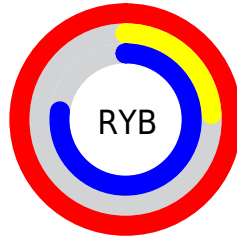
The Yxy color **28.5830, 0.3876, 0.2095** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.8651, 0.2837, 0.5102**, and the grayscale version is **23.8501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5306, 0.3201, 0.2094**, and **13.4223, 0.4031, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **26.1318, 0.4007, 0.2055**, and if you desaturate by 10%, it is **32.3374, 0.3745, 0.2183**.

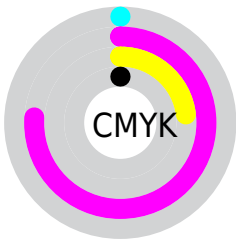
Distribution



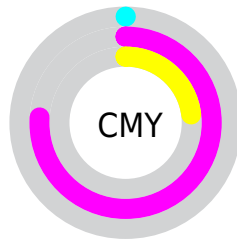
- Red (100%)
- Green (24%)
- Blue (77%)



- Red (100%)
- Yellow (24%)
- Blue (77%)



- Cyan (0%)
- Magenta (76%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (76%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5830, 0.3876, 0.2095 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 28.5830, 0.3876, 0.2095 by changing the saturation by 10% instead.


 28.5830, 0.3876,
0.2095


 28.5830, 0.3876,
0.2095


295.2423, 0.3508,
0.2668

 18.7656, 0.3965,
0.1961


 57.4139, 0.3744,
0.2297


 11.5010, 0.4077,
0.1796


 77.1962, 0.3694,
0.2375

 6.4049, 0.4221,
0.1587


 101.0689, 0.3651,
0.2441

 3.0928, 0.4414,
0.1318

 129.4164, 0.3615,
0.2499

 1.1804, 0.4678,
0.0969

 162.6231, 0.3583,
0.2549

 0.0456, 0.5286,
0.0089

201.0734, 0.3555,


 0.0000, 0.5655,


0.2594


0.0000

245.1516, 0.3530,
0.2633


 0.0000, 0.0000,
0.0000


 28.5830, 0.3876,
0.2095


 28.5830, 0.3876,
0.2095


 26.1318, 0.4007,
0.2055


 32.3374, 0.3745,
0.2183


 24.7929, 0.4134,
0.2065


 37.5681, 0.3621,
0.2311


 24.4543, 0.4184,
0.2078

 44.4101, 0.3505,
0.2468

 52.9861, 0.3401,
0.2643

 63.4066, 0.3310,
0.2825

 75.7731, 0.3231,
0.3008

 90.1796, 0.3163,
0.3186

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.5830, 0.2498, 0.1626



28.5830, 0.3876, 0.2095



28.5830, 0.5237, 0.2774

Triad

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



28.5830, 0.3876, 0.2095



28.5830, 0.4355, 0.5378



28.5830, 0.1048, 0.2127

Complementary

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



28.5830, 0.3876, 0.2095



73.8651, 0.2837, 0.5102

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.



28.5830, 0.1317, 0.3378



28.5830, 0.3876, 0.2095



28.5830, 0.3194, 0.5954

Square

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



28.5830, 0.3876, 0.2095



28.5830, 0.5331, 0.4409



28.5830, 0.2076, 0.5148



28.5830, 0.1148, 0.1569

Rectangle

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



28.5830, 0.3876, 0.2095



28.5830, 0.5707, 0.3276



28.5830, 0.2076, 0.5148



28.5830, 0.1091, 0.2454

Sweetspot

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



28.5794, 0.3876, 0.2095



67.0226, 0.3284, 0.2882



14.4867, 0.1985, 0.1051



13.4463, 0.3314, 0.2816



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.



28.5794, 0.3876, 0.2095



25.3514, 0.4070, 0.2054



25.5083, 0.5302, 0.2992



18.2008, 0.3185, 0.3126



12.8057, 0.4164, 0.2067



1.2663, 0.4028, 0.1992

Inverse Universe

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



28.5794, 0.3876, 0.2095



25.3514, 0.4070, 0.2054



77.4785, 0.2444, 0.3780



18.2008, 0.3185, 0.3126



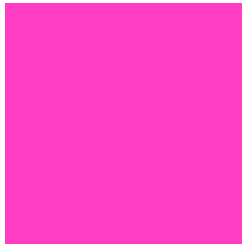
12.8057, 0.4164, 0.2067



1.2663, 0.4028, 0.1992

Previews

White Background



This preview shows how the Yxy color 28.5830, 0.3876, 0.2095 looks on a white background.

Color Contrast Check

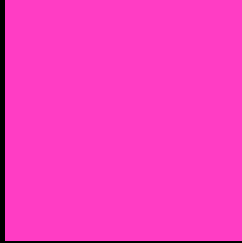
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5830, 0.3876, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

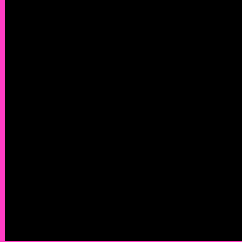
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5830, 0.3876, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 28.5830, 0.3876, 0.2095.

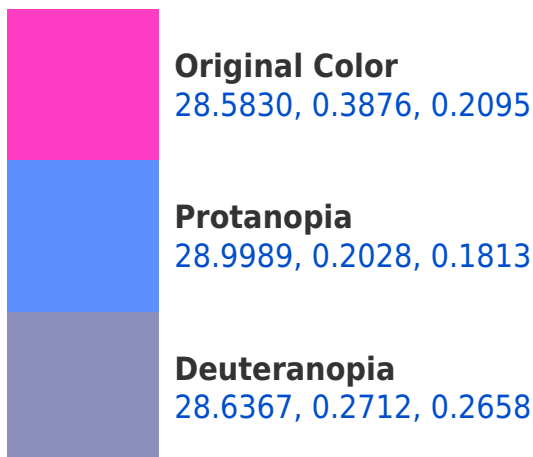


This preview shows how white text looks on a background with the Yxy color 28.5830, 0.3876, 0.2095.

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

28.5037, 0.5060, 0.3240

Trichromacy



Original Color

28.5830, 0.3876, 0.2095



Protanomaly

24.5231, 0.2435, 0.1762



Deuteranomaly

25.3081, 0.3085, 0.2287



Tritanomaly

27.9301, 0.4663, 0.2791

Monochromacy



Original Color

28.5830, 0.3876, 0.2095



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4147, 0.3423, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5830, 0.3876, 0.2095 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(255, 61, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 196)  
}
```

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(255, 61, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 196) }
```

Border

The CSS property to change the border of an element to Yxy 28.5830, 0.3876, 0.2095 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(255, 61, 196) }
```

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

```
.border{ border-color:rgb(255, 61, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 61, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5830, 0.3876, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 196) }
```

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

```
.background{ background-color: rgb(255, 61,  
196) }
```

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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