

Converting Colors

$Y_{xy}(41.3366, 0.4553, 0.2427)$

Have a look what the booklet for
Yxy(41.3366, 0.4553, 0.2427)
contains.

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Color

Yxy(28.1226, 0.3985, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	FF3CBC
RGB	255, 60, 188
RGB Percent	100%, 24%, 74%
CMY	0.0000, 0.7646, 0.2628
CMYK	0.00, 0.76, 0.26, 0.00
HSL	321°, 100%, 62%
HSV	321°, 76%, 100%
XYZ	51.9317, 28.1226, 50.2636
YIQ	132.8970, 75.1320, 81.1480

Conversions

Conversions Part 2

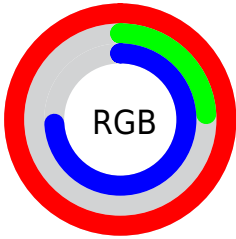
Format	Color
R _Y B	255, 60, 188
Decimal	16727228
CIE Lab	60.00, 81.18, -23.54
CIE LCh	60, 84.520, 343.830
Yxy	28.1226, 0.3985, 0.2158
Android (android.graphics.Color)	4294917308 (0xFFFF3CBC)
YUV	132.8970, 27.1658, 107.0843
Hunter-Lab	53.0307, 81.9968, -19.0747

Details

The Yxy color **28.1226, 0.3985, 0.2158** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **74.0131, 0.2808, 0.5012**, and the grayscale version is **23.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7134, 0.3282, 0.2156**, and **13.2186, 0.4165, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **25.6977, 0.4139, 0.2128**, and if you desaturate by 10%, it is **31.8590, 0.3833, 0.2237**.

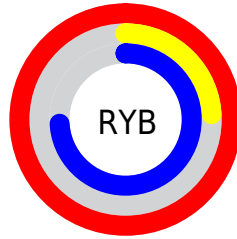
Distribution



Red (100%)

Green (24%)

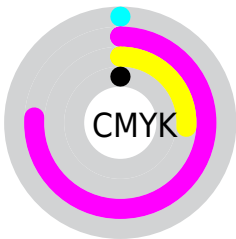
Blue (74%)



Red (100%)

Yellow (24%)

Blue (74%)

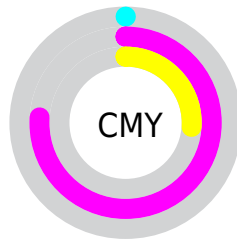


Cyan (0%)

Magenta (76%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1226, 0.3985, 0.2158 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 28.1226, 0.3985, 0.2158 by changing the saturation by 10% instead.


 28.1226, 0.3985,
0.2158


 28.1226, 0.3985,
0.2158


293.0523, 0.3554,
0.2708


 18.4181, 0.4092,
0.2027

 56.6801, 0.3828,
0.2353


 11.2506, 0.4229,
0.1865


 76.3019, 0.3769,
0.2428


 6.2356, 0.4409,
0.1657


 99.9983, 0.3720,
0.2492

 2.9889, 0.4655,
0.1386

 128.1536, 0.3677,
0.2547

 1.1259, 0.5006,
0.1027

 161.1523, 0.3640,
0.2595

 0.0000, 0.5859,
0.0000

199.3787, 0.3607,

 0.0000, 0.6793,

0.2637

0.0000

243.2172, 0.3579,
0.2675

0.0000, 0.0000,
0.0000

28.1226, 0.3985,
0.2158

28.1226, 0.3985,
0.2158

25.6977, 0.4139,
0.2128

31.8590, 0.3833,
0.2237

24.3754, 0.4288,
0.2149


37.0659, 0.3689,
0.2357

24.0632, 0.4341,
0.2165

43.8844, 0.3556,
0.2505

52.4376, 0.3437,
0.2671

62.8367, 0.3334,
0.2844

 75.1835, 0.3245,
0.3017

 89.5723, 0.3169,
0.3186

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



28.1226, 0.2602, 0.1672



28.1226, 0.3985, 0.2158



28.1226, 0.5284, 0.2843

Triad

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



28.1226, 0.3985, 0.2158



28.1226, 0.4263, 0.5429



28.1226, 0.1065, 0.2079

Complementary

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



28.1226, 0.3985, 0.2158



74.0131, 0.2808, 0.5012

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.



28.1226, 0.1302, 0.3253



28.1226, 0.3985, 0.2158



28.1226, 0.3110, 0.5907

Square

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



28.1226, 0.3985, 0.2158



28.1226, 0.5248, 0.4483



28.1226, 0.2017, 0.4986



28.1226, 0.1190, 0.1566

Rectangle

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



28.1226, 0.3985, 0.2158



28.1226, 0.5695, 0.3346



28.1226, 0.2017, 0.4986



28.1226, 0.1099, 0.2384

Sweetspot

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



28.1241, 0.3985, 0.2158



66.8871, 0.3301, 0.2904



14.8148, 0.2025, 0.1066



13.4133, 0.3335, 0.2841



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.



28.1241, 0.3985, 0.2158



24.8453, 0.4222, 0.2133



25.2754, 0.5409, 0.3051



18.1881, 0.3191, 0.3135



12.6029, 0.4317, 0.2152



1.2477, 0.4158, 0.2064

Inverse Universe

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



28.1241, 0.3985, 0.2158



24.8453, 0.4222, 0.2133



77.7810, 0.2418, 0.3696



18.1881, 0.3191, 0.3135



12.6029, 0.4317, 0.2152



1.2477, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 28.1226, 0.3985, 0.2158 looks on a white background.

Color Contrast Check

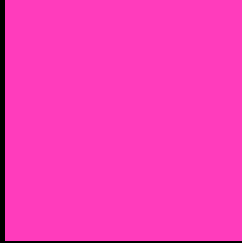
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1226, 0.3985, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

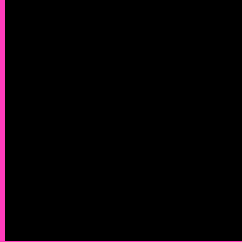
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1226, 0.3985, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 28.1226, 0.3985, 0.2158.



This preview shows how white text looks on a background with the Yxy color 28.1226, 0.3985, 0.2158.

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

28.1226, 0.3985, 0.2158

Protanopia

28.4860, 0.2061, 0.1855

Deuteranopia

28.2711, 0.2804, 0.2756



Tritanopia

28.0950, 0.5141, 0.3250

Trichromacy



Original Color

28.1226, 0.3985, 0.2158



Protanomaly

24.1030, 0.2497, 0.1814



Deuteranomaly

24.9918, 0.3193, 0.2371



Tritanomaly

27.6862, 0.4755, 0.2828

Monochromacy



Original Color

28.1226, 0.3985, 0.2158



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9551, 0.3463, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1226, 0.3985, 0.2158 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, 60, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 188)  
}
```

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, 60, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 188) }
```

Border

The CSS property to change the border of an element to Yxy 28.1226, 0.3985, 0.2158 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, 60, 188) }
```

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

```
.border{ border-color:rgb(255, 60, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 60, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 60,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1226, 0.3985, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 188) }
```

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

```
.background{ background-color: rgb(255, 60,  
188) }
```

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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