

Converting Colors

$Y_{xy}(29.1402, 0.3821, 0.2117)$

Have a look what the booklet for
Yxy(29.1402, 0.3821, 0.2117)
contains.

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Color

Yxy(28.9829, 0.3821, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	FC45C5
RGB	252, 69, 197
RGB Percent	99%, 27%, 77%
CMY	0.0120, 0.7291, 0.2275
CMYK	0.00, 0.73, 0.22, 0.01
HSL	318°, 97%, 63%
HSV	318°, 73%, 99%
XYZ	52.3363, 28.9829, 55.6510
YIQ	138.3090, 67.9800, 78.6040

Conversions

Conversions Part 2

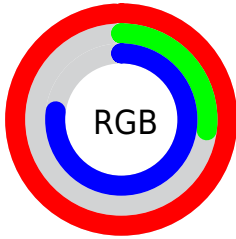
Format	Color
R _Y B	252, 69, 197
Decimal	16532933
CIE Lab	60.77, 78.93, -27.55
CIE LCh	61, 83.599, 340.758
Yxy	28.9829, 0.3821, 0.2116
Android (android.graphics.Color)	4294723013 (0xFFFC45C5)
YUV	138.3090, 28.9347, 99.7070
Hunter-Lab	53.8358, 79.3158, -23.6041

Details

The Yxy color **28.9829, 0.3821, 0.2116** 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 **72.3149, 0.2838, 0.5018**, and the grayscale version is **25.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9183, 0.3191, 0.2127**, and **13.0595, 0.3970, 0.1960** is the 20% darker color. If you saturate the color by 10%, you get **26.1720, 0.3951, 0.2057**, and if you desaturate by 10%, it is **33.1293, 0.3694, 0.2220**.

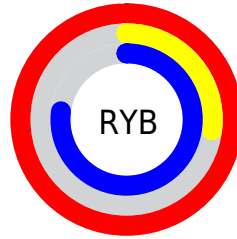
Distribution



Red (99%)

Green (27%)

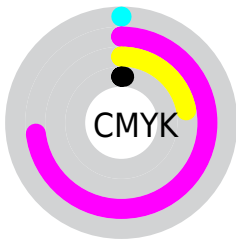
Blue (77%)



Red (99%)

Yellow (27%)

Blue (77%)

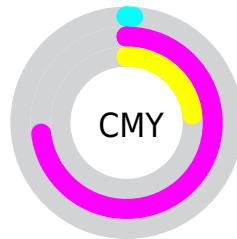


Cyan (0%)

Magenta (73%)

Yellow (22%)

Black (1%)



Cyan (1%)


Magenta (73%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9829, 0.3821, 0.2116 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 28.9829, 0.3821, 0.2116 by changing the saturation by 10% instead.


 28.9829, 0.3821,
0.2116


 28.9829, 0.3821,
0.2116


297.1343, 0.3481,
0.2680

 19.0679, 0.3903,
0.1984


 58.0499, 0.3700,
0.2314


 11.7193, 0.4005,
0.1821


 77.9707, 0.3654,
0.2391


 6.5529, 0.4137,
0.1615


 101.9955, 0.3614,
0.2456

 3.1841, 0.4312,
0.1349

 130.5088, 0.3580,
0.2513

 1.2286, 0.4551,
0.1003

 163.8949, 0.3551,
0.2562

 0.0849, 0.5091,
0.0164


202.5383, 0.3525,


 0.0000, 0.5415,


0.2606


0.0000


246.8233, 0.3502,
0.2645


 0.0000, 0.0000,
0.0000


 28.9829, 0.3821,
0.2116


 28.9829, 0.3821,
0.2116


 26.1720, 0.3951,
0.2057


 33.1293, 0.3694,
0.2220

 24.5127, 0.4078,
0.2049


 38.7551, 0.3574,
0.2360


 23.8295, 0.4170,
0.2071


 45.9902, 0.3464,
0.2525

 54.9493, 0.3365,
0.2704

 65.7362, 0.3279,
0.2888

 78.4468, 0.3205,
0.3070

 93.1701, 0.3142,
0.3246

 99.4262, 0.3108,
0.3290

Harmonies

Analogous

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



28.9829, 0.2496, 0.1661



28.9829, 0.3821, 0.2116



28.9829, 0.5141, 0.2781

Triad

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



28.9829, 0.3821, 0.2116



28.9829, 0.4370, 0.5314



28.9829, 0.1100, 0.2188

Complementary

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



28.9829, 0.3821, 0.2116



72.3149, 0.2838, 0.5018

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.



28.9829, 0.1381, 0.3419



28.9829, 0.3821, 0.2116



28.9829, 0.3240, 0.5855

Square

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



28.9829, 0.3821, 0.2116



28.9829, 0.5300, 0.4386



28.9829, 0.2141, 0.5101



28.9829, 0.1188, 0.1623

Rectangle

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



28.9829, 0.3821, 0.2116



28.9829, 0.5616, 0.3277



28.9829, 0.2141, 0.5101



28.9829, 0.1147, 0.2514

Sweetspot

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



28.9844, 0.3821, 0.2116



68.2420, 0.3274, 0.2899



15.5740, 0.2042, 0.1135



13.9153, 0.3296, 0.2849



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.



28.9844, 0.3821, 0.2116



26.0006, 0.4008, 0.2047



25.9874, 0.5153, 0.2986



17.4305, 0.3184, 0.3126



12.4459, 0.4150, 0.2060



1.1714, 0.4010, 0.1983

Inverse Universe

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



28.9844, 0.3821, 0.2116



26.0006, 0.4008, 0.2047



75.7840, 0.2455, 0.3753



17.4305, 0.3184, 0.3126



12.4459, 0.4150, 0.2060



1.1714, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 28.9829, 0.3821, 0.2116 looks on a white background.

Color Contrast Check

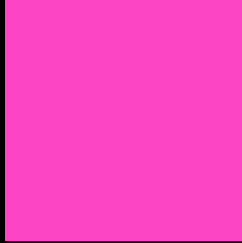
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9829, 0.3821, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

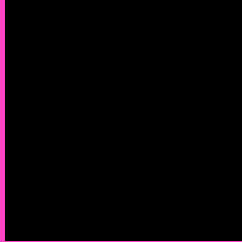
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9829, 0.3821, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 28.9829, 0.3821, 0.2116.



This preview shows how white text looks on a background with the Yxy color 28.9829, 0.3821, 0.2116.

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

28.9829, 0.3821, 0.2116

Protanopia

29.4063, 0.2040, 0.1829

Deuteranopia

29.1098, 0.2707, 0.2648



Tritanopia

28.9679, 0.4936, 0.3237

Trichromacy



Original Color

28.9829, 0.3821, 0.2116



Protanomaly

25.2036, 0.2439, 0.1796



Deuteranomaly

26.3079, 0.3064, 0.2315



Tritanomaly

28.4255, 0.4550, 0.2790

Monochromacy



Original Color

28.9829, 0.3821, 0.2116



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.8972, 0.3400, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9829, 0.3821, 0.2116 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(252, 69, 197)` looks like.

```
.text, #text, p{  
    color:rgb(252, 69, 197)  
}
```

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(252, 69, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 69, 197) }
```

Border

The CSS property to change the border of an element to Yxy 28.9829, 0.3821, 0.2116 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(252, 69, 197) }
```

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

```
.border{ border-color:rgb(252, 69, 197) }
```

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

Here you see how a box with a 4 pixel rgb(252, 69, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 69, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 69, 197);  
box-shadow:4px 4px 4px 4px rgb(252, 69,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9829, 0.3821, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 69, 197) }
```

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

```
.background{ background-color: rgb(252, 69,  
197) }
```

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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