

Converting Colors

$Y_{xy}(28.6579, 0.3495, 0.1830)$

Have a look what the booklet for
Yxy(28.6579, 0.3495, 0.1830)
contains.

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Color

Yxy(28.6234, 0.3491, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	FB37E0
RGB	251, 55, 224
RGB Percent	98%, 22%, 88%
CMY	0.0157, 0.7842, 0.1215
CMYK	0.00, 0.78, 0.11, 0.02
HSL	308°, 96%, 60%
HSV	308°, 78%, 98%
XYZ	54.6034, 28.6234, 73.1852
YIQ	132.8700, 62.5670, 94.1110

Conversions

Conversions Part 2

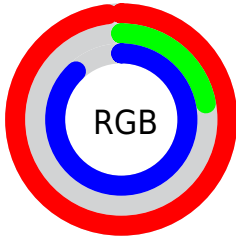
Format	Color
R _Y B	251, 55, 224
Decimal	16463840
CIE Lab	60.45, 86.14, -43.39
CIE LCh	60, 96.446, 333.266
Yxy	28.6234, 0.3491, 0.1830
Android (android.graphics.Color)	4294653920 (0xFFFB37E0)
YUV	132.8700, 44.9271, 103.6000
Hunter-Lab	53.5008, 88.5522, -43.6537

Details

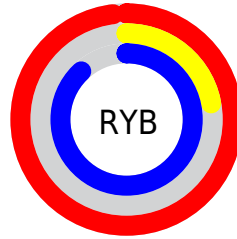
The Yxy color **28.6234, 0.3491, 0.1830** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **70.4086, 0.2946, 0.5518**, and the grayscale version is **23.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **13.7743, 0.3525, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **26.6294, 0.3542, 0.1772**, and if you desaturate by 10%, it is **31.8348, 0.3438, 0.1934**.

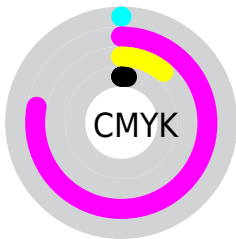
Distribution



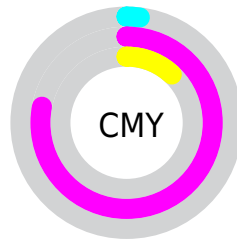
- Red (98%)
- Green (22%)
- Blue (88%)



- Red (98%)
- Yellow (22%)
- Blue (88%)



- Cyan (0%)
- Magenta (78%)
- Yellow (11%)
- Black (2%)





- Cyan (2%)
- Magenta (78%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6234, 0.3491, 0.1830 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 28.6234, 0.3491, 0.1830 by changing the saturation by 10% instead.


 28.6234, 0.3491,
0.1830


 28.6234, 0.3491,
0.1830


295.4339, 0.3342,
0.2502


 18.7961, 0.3518,
0.1682


 57.4782, 0.3444,
0.2060

 11.5230, 0.3548,
0.1504


 77.2745, 0.3424,
0.2150


 6.4198, 0.3578,
0.1287


 101.1626, 0.3407,
0.2229

 3.1020, 0.3604,
0.1022

 129.5269, 0.3391,
0.2297

 1.1852, 0.3613,
0.0703

 162.7518, 0.3377,
0.2358

 0.0496, 0.3671,
0.0062

201.2216, 0.3364,

 0.0000, 0.3379,

0.2411

0.0000

245.3209, 0.3352,
0.2459

■ 0.0000, 0.0629,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.6234, 0.3491,
0.1830

■ 28.6234, 0.3491,
0.1830

■ 26.6294, 0.3542,
0.1772

■ 31.8348, 0.3438,
0.1934

■ 25.6276, 0.3589,
0.1756

■ 36.4210, 0.3384,
0.2079

■ 25.4883, 0.3598,
0.1756

■ 42.5203, 0.3331,
0.2259

■ 50.2531, 0.3281,
0.2461

59.7275, 0.3234,
0.2678

71.0424, 0.3192,
0.2899

84.2895, 0.3154,
0.3119

99.0332, 0.3122,
0.3322

99.2469, 0.3102,
0.3290

Harmonies

Analogous

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



28.6234, 0.2109, 0.1419



28.6234, 0.3491, 0.1830



28.6234, 0.5116, 0.2494

Triad

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



28.6234, 0.3491, 0.1830



28.6234, 0.4699, 0.5200



28.6234, 0.0929, 0.2270

Complementary

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



28.6234, 0.3491, 0.1830



70.4086, 0.2946, 0.5518

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.



28.6234, 0.1312, 0.3894



28.6234, 0.3491, 0.1830



28.6234, 0.3458, 0.6150

Square

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



28.6234, 0.3491, 0.1830



28.6234, 0.5686, 0.4127



28.6234, 0.2237, 0.5842



28.6234, 0.0951, 0.1528

Rectangle

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



28.6234, 0.3491, 0.1830



28.6234, 0.5826, 0.3000



28.6234, 0.2237, 0.5842



28.6234, 0.1003, 0.2700

Sweetspot

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



28.6248, 0.3491, 0.1830



67.6090, 0.3212, 0.2790



11.4551, 0.1762, 0.0910



13.5900, 0.3228, 0.2710



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.



28.6248, 0.3491, 0.1830



26.8851, 0.3571, 0.1758



24.7708, 0.4878, 0.2687



17.4811, 0.3159, 0.3088



13.4154, 0.3591, 0.1752



1.2535, 0.3538, 0.1723

Inverse Universe

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



28.6248, 0.3491, 0.1830



26.8851, 0.3571, 0.1758



73.0597, 0.2574, 0.4253



17.4811, 0.3159, 0.3088



13.4154, 0.3591, 0.1752



1.2535, 0.3538, 0.1723

Previews

White Background



This preview shows how the Yxy color 28.6234, 0.3491, 0.1830 looks on a white background.

Color Contrast Check

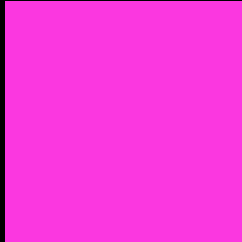
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6234, 0.3491, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

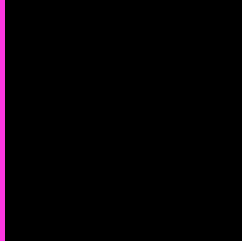
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6234, 0.3491, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 28.6234, 0.3491, 0.1830.



This preview shows how white text looks on a background with the Yxy color 28.6234, 0.3491, 0.1830.

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

28.6234, 0.3491, 0.1830

Protanopia

29.1921, 0.2023, 0.1823

Deuteranopia

28.9262, 0.2372, 0.2317



Tritanopia

28.3150, 0.4857, 0.3224

Trichromacy



Original Color

28.6234, 0.3491, 0.1830



Protanomaly

24.3846, 0.2346, 0.1654



Deuteranomaly

24.7617, 0.2691, 0.1952



Tritanomaly

27.4111, 0.4364, 0.2630

Monochromacy



Original Color

28.6234, 0.3491, 0.1830



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.0864, 0.3290, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6234, 0.3491, 0.1830 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(251, 55, 224)` looks like.

```
.text, #text, p{  
    color:rgb(251, 55, 224)  
}
```

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(251, 55, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 55, 224) }
```

Border

The CSS property to change the border of an element to Yxy 28.6234, 0.3491, 0.1830 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(251, 55, 224) }
```

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

```
.border{ border-color:rgb(251, 55, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 55, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 55, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 55, 224);  
box-shadow:4px 4px 4px 4px rgb(251, 55,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6234, 0.3491, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 55, 224) }
```

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

```
.background{ background-color: rgb(251, 55,  
224) }
```

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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