

Converting Colors

$Y_{xy}(28.2123, 0.3572, 0.1996)$

Have a look what the booklet for
Yxy(28.2123, 0.3572, 0.1996)
contains.

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Color

Yxy(28.1964, 0.3572, 0.1999)

Conversions

Conversions Part 1

Format	Color
Hex	F249D0
RGB	242, 73, 208
RGB Percent	95%, 29%, 82%
CMY	0.0510, 0.7136, 0.1842
CMYK	0.00, 0.70, 0.14, 0.05
HSL	312°, 87%, 62%
HSV	312°, 70%, 95%
XYZ	50.3840, 28.1964, 62.4722
YIQ	138.9210, 57.3890, 77.8130

Conversions

Conversions Part 2

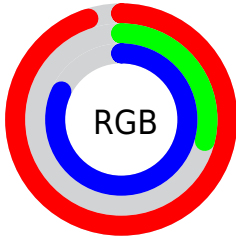
Format	Color
R _Y B	242, 73, 208
Decimal	15878608
CIE Lab	60.07, 76.79, -35.04
CIE LCh	60, 84.406, 335.470
Yxy	28.1964, 0.3572, 0.1999
Android (android.graphics.Color)	4294068688 (0xFFFF249D0)
YUV	138.9210, 34.0559, 90.4003
Hunter-Lab	53.1003, 76.4434, -32.5841

Details

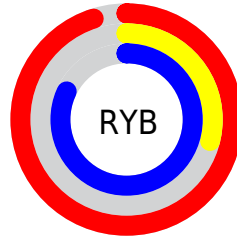
The Yxy color **28.1964, 0.3572, 0.1999** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.9756, 0.2907, 0.5162**, and the grayscale version is **25.6406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **12.2450, 0.3657, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **25.3759, 0.3652, 0.1911**, and if you desaturate by 10%, it is **32.2632, 0.3493, 0.2130**.

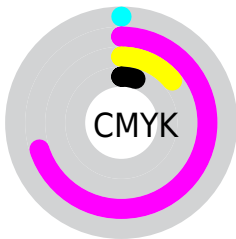
Distribution



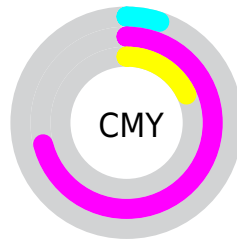
- Red (95%)
- Green (29%)
- Blue (82%)



- Red (95%)
- Yellow (29%)
- Blue (82%)



- Cyan (0%)
- Magenta (70%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (71%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1964, 0.3572, 0.1999 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 28.1964, 0.3572, 0.1999 by changing the saturation by 10% instead.

 28.1964, 0.3572,
0.1999


 28.1964, 0.3572,
0.1999


293.4042, 0.3369,
0.2611


 18.4738, 0.3616,
0.1859


 56.7979, 0.3503,
0.2212

 11.2907, 0.3668,
0.1687


 76.4455, 0.3476,
0.2295

 6.2627, 0.3731,
0.1472

 100.1702, 0.3452,
0.2367

 3.0055, 0.3804,
0.1200

 128.3564, 0.3431,
0.2428

 1.1346, 0.3885,
0.0857

161.3885, 0.3413,
0.2483

 0.0073, 0.4128,
0.0013

199.6509, 0.3397,

 0.0000, 0.3928,

0.2530

0.0000

243.5280, 0.3382,
0.2573

■ 0.0000, 0.0000,
0.0000

■ 28.1964, 0.3572,
0.1999

■ 28.1964, 0.3572,
0.1999

■ 25.3759, 0.3652,
0.1911

■ 32.2632, 0.3493,
0.2130

■ 23.6448, 0.3730,
0.1869

■ 37.7004, 0.3416,
0.2295


■ 22.7534, 0.3804,
0.1870


■ 44.6218, 0.3344,
0.2483


■ 22.7404, 0.3805,
0.1870


■ 53.1280, 0.3279,
0.2685

■ 63.3108, 0.3221,
0.2892

 75.2552, 0.3170,
0.3096

 89.0401, 0.3126,
0.3293

 97.1067, 0.3093,
0.3369

 97.4109, 0.3065,
0.3321

Harmonies

Analogous

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



28.1964, 0.2291, 0.1588



28.1964, 0.3572, 0.1999



28.1964, 0.4979, 0.2642

Triad

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



28.1964, 0.3572, 0.1999



28.1964, 0.4565, 0.5174



28.1964, 0.1094, 0.2331

Complementary

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



28.1964, 0.3572, 0.1999



65.9756, 0.2907, 0.5162

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.



28.1964, 0.1452, 0.3714



28.1964, 0.3572, 0.1999



28.1964, 0.3436, 0.5874

Square

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



28.1964, 0.3572, 0.1999



28.1964, 0.5447, 0.4226



28.1964, 0.2301, 0.5390



28.1964, 0.1125, 0.1662

Rectangle

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



28.1964, 0.3572, 0.1999



28.1964, 0.5575, 0.3134



28.1964, 0.2301, 0.5390



28.1964, 0.1163, 0.2706

Sweetspot

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



28.1978, 0.3572, 0.1999



69.7893, 0.3228, 0.2866



14.2922, 0.1968, 0.1151



14.2307, 0.3244, 0.2809



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.



28.1978, 0.3572, 0.1999



27.5823, 0.3687, 0.1886



25.0908, 0.4774, 0.2810



15.9738, 0.3169, 0.3103



12.2378, 0.3793, 0.1863



1.0317, 0.3702, 0.1813

Inverse Universe

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



28.1978, 0.3572, 0.1999



27.5823, 0.3687, 0.1886



68.6890, 0.2539, 0.3970



15.9738, 0.3169, 0.3103



12.2378, 0.3793, 0.1863



1.0317, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 28.1964, 0.3572, 0.1999 looks on a white background.

Color Contrast Check

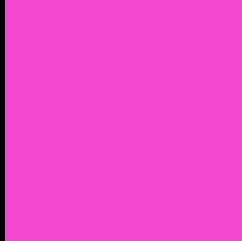
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1964, 0.3572, 0.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

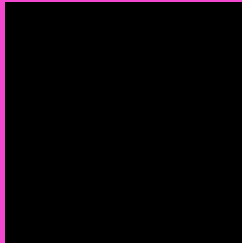
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1964, 0.3572, 0.1999

Background



This preview shows how black text looks on a background with the Yxy color 28.1964, 0.3572, 0.1999.

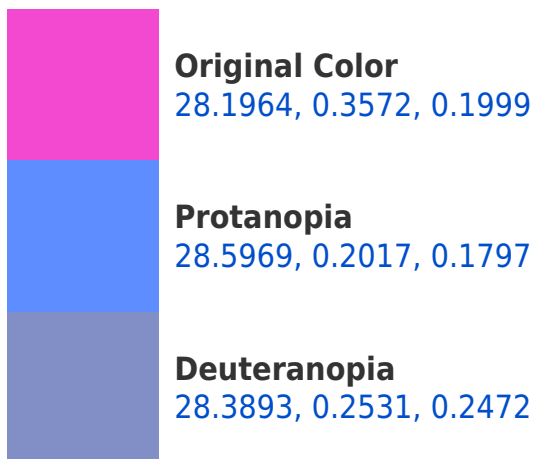


This preview shows how white text looks on a background with the Yxy color 28.1964, 0.3572, 0.1999.

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

28.1499, 0.4720, 0.3220

Trichromacy



Original Color

28.1964, 0.3572, 0.1999



Protanomaly

24.8669, 0.2366, 0.1745



Deuteranomaly

25.7672, 0.2844, 0.2173



Tritanomaly

27.5625, 0.4301, 0.2719

Monochromacy



Original Color

28.1964, 0.3572, 0.1999



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.1719, 0.3302, 0.2597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1964, 0.3572, 0.1999 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(242, 73, 208)` looks like.

```
.text, #text, p{  
    color:rgb(242, 73, 208)  
}
```

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(242, 73, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 73, 208) }
```

Border

The CSS property to change the border of an element to Yxy 28.1964, 0.3572, 0.1999 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(242, 73, 208) }
```

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

```
.border{ border-color:rgb(242, 73, 208) }
```

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

Here you see how a box with a 4 pixel rgb(242, 73, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 73, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 73, 208);  
box-shadow:4px 4px 4px 4px rgb(242, 73,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1964, 0.3572, 0.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 73, 208) }
```

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

```
.background{ background-color: rgb(242, 73,  
208) }
```

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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