

Converting Colors

$Y_{xy}(47.1859, 0.5010, 0.2625)$

Have a look what the booklet for
Yxy(47.1859, 0.5010, 0.2625)
contains.

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Color

Yxy(26.3589, 0.4259, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	FF31AA
RGB	255, 49, 170
RGB Percent	100%, 19%, 67%
CMY	0.0000, 0.8082, 0.3333
CMYK	0.00, 0.81, 0.33, 0.00
HSL	325°, 100%, 60%
HSV	325°, 81%, 100%
XYZ	49.6078, 26.3589, 40.5109
YIQ	124.3880, 83.9350, 81.3030

Conversions

Conversions Part 2

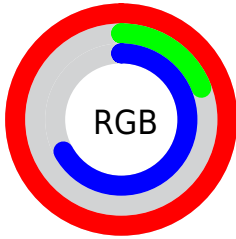
Format	Color
RYB	255, 49, 170
Decimal	16724394
CIELab	58.38, 81.98, -15.61
CIELCh	58, 83.456, 349.218
Yxy	26.3589, 0.4259, 0.2263
Android (android.graphics.Color)	4294914474 (0xFFFF31AA)
YUV	124.3880, 22.4867, 114.5467
Hunter-Lab	51.3409, 82.6279, -10.8446

Details

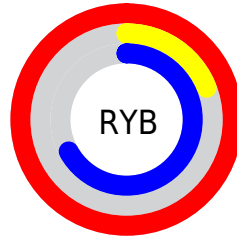
The Yxy color **26.3589, 0.4259, 0.2263** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **73.8887, 0.2758, 0.4932**, and the grayscale version is **20.1750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6531, 0.3471, 0.2245**, and **12.6455, 0.4499, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **24.4096, 0.4452, 0.2271**, and if you desaturate by 10%, it is **29.5287, 0.4064, 0.2308**.

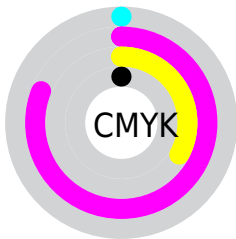
Distribution



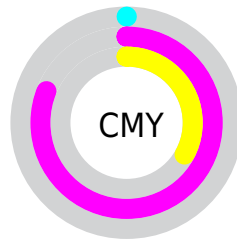
- Red (100%)
- Green (19%)
- Blue (67%)



- Red (100%)
- Yellow (19%)
- Blue (67%)



- Cyan (0%)
- Magenta (81%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3589, 0.4259, 0.2263 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 26.3589, 0.4259, 0.2263 by changing the saturation by 10% instead.


 26.3589, 0.4259,
0.2263


 26.3589, 0.4259,
0.2263


284.5395, 0.3668,
0.2779


 17.0923, 0.4413,
0.2136


 53.8534, 0.4039,
0.2450


 10.3003, 0.4614,
0.1974


 72.8501, 0.3958,
0.2520

 5.5985, 0.4886,
0.1763


 95.8589, 0.3890,
0.2580

 2.6025, 0.5271,
0.1480

 123.2643, 0.3832,
0.2631

 0.9279, 0.5847,
0.1090

 155.4507, 0.3782,
0.2675

 0.0000, 0.7169,
0.0000

192.8024, 0.3739,

 0.0000, 1.0000,

0.2714

0.0000

235.7039, 0.3701,
0.2748

■ 0.0000, 0.0000,
0.0000

■ 26.3589, 0.4259,
0.2263

■ 26.3589, 0.4259,
0.2263

■ 24.4096, 0.4452,
0.2271

■ 29.5287, 0.4064,
0.2308

■ 23.4572, 0.4625,
0.2321

■ 34.1196, 0.3879,
0.2398

■ 40.2733, 0.3708,
0.2521

■ 48.1198, 0.3555,
0.2665

■ 57.7752, 0.3422,
0.2820

69.3455, 0.3309,
0.2977

82.9284, 0.3213,
0.3131

98.6147, 0.3133,
0.3278

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.



26.3589, 0.2820, 0.1730



26.3589, 0.4259, 0.2263



26.3589, 0.5460, 0.2971

Triad

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



26.3589, 0.4259, 0.2263



26.3589, 0.4061, 0.5590



26.3589, 0.1052, 0.1936

Complementary

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



26.3589, 0.4259, 0.2263



73.8887, 0.2758, 0.4932

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.



26.3589, 0.1215, 0.2979



26.3589, 0.4259, 0.2263



26.3589, 0.2896, 0.5886

Square

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



26.3589, 0.4259, 0.2263



26.3589, 0.5105, 0.4657



26.3589, 0.1840, 0.4696



26.3589, 0.1237, 0.1512

Rectangle

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



26.3589, 0.4259, 0.2263



26.3589, 0.5744, 0.3483



26.3589, 0.1840, 0.4696



26.3589, 0.1064, 0.2200

Sweetspot

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



26.3515, 0.4258, 0.2263



65.4545, 0.3343, 0.2928



14.2614, 0.2059, 0.1028



13.1272, 0.3383, 0.2872



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.



26.3515, 0.4258, 0.2263



23.7261, 0.4569, 0.2303



23.8847, 0.5763, 0.3170



18.1662, 0.3202, 0.3151



12.2873, 0.4595, 0.2305



1.2181, 0.4393, 0.2194

Inverse Universe

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



26.3515, 0.4258, 0.2263



23.7261, 0.4569, 0.2303



78.1336, 0.2355, 0.3543



18.1662, 0.3202, 0.3151



12.2873, 0.4595, 0.2305



1.2181, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 26.3589, 0.4259, 0.2263 looks on a white background.

Color Contrast Check

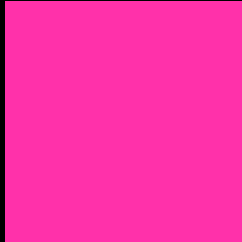
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3589, 0.4259, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

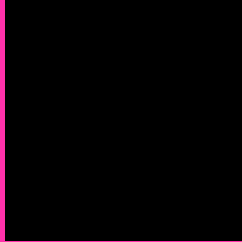
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3589, 0.4259, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 26.3589, 0.4259, 0.2263.



This preview shows how white text looks on a background with the Yxy color 26.3589, 0.4259, 0.2263.

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

26.3589, 0.4259, 0.2263

Protanopia

26.8300, 0.2153, 0.1985

Deuteranopia

26.4143, 0.2994, 0.2942



Tritanopia

26.3562, 0.5377, 0.3263

Trichromacy



Original Color

26.3589, 0.4259, 0.2263



Protanomaly

22.1806, 0.2654, 0.1913



Deuteranomaly

23.0618, 0.3436, 0.2502



Tritanomaly

25.8813, 0.5012, 0.2886

Monochromacy



Original Color

26.3589, 0.4259, 0.2263



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.2431, 0.3581, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3589, 0.4259, 0.2263 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, 49, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 170)  
}
```

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, 49, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 170) }
```

Border

The CSS property to change the border of an element to Yxy 26.3589, 0.4259, 0.2263 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, 49, 170) }
```

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

```
.border{ border-color:rgb(255, 49, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 26.3589, 0.4259, 0.2263$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 170) }
```

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

```
.background{ background-color: rgb(255, 49,  
170) }
```

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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