

Converting Colors

$Yxy(41.0663, 0.3384, 0.2344)$

Have a look what the booklet for
Yxy(41.0663, 0.3384, 0.2344)
contains.

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Color

Yxy(40.9728, 0.3383, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	F583DF
RGB	245, 131, 223
RGB Percent	96%, 51%, 87%
CMY	0.0393, 0.4862, 0.1256
CMYK	0.00, 0.47, 0.09, 0.04
HSL	312°, 85%, 74%
HSV	312°, 47%, 96%
XYZ	59.0840, 40.9728, 74.5929
YIQ	175.5740, 38.4120, 52.7800

Conversions

Conversions Part 2

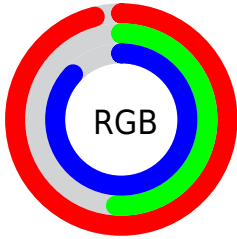
Format	Color
R _Y B	245, 131, 223
Decimal	16090079
CIE Lab	70.16, 55.36, -27.76
CIE LCh	70, 61.930, 333.365
Yxy	40.9728, 0.3383, 0.2346
Android (android.graphics.Color)	4294280159 (0xFFFF583DF)
YUV	175.5740, 23.3810, 60.8866
Hunter-Lab	64.0100, 52.7456, -24.2855

Details

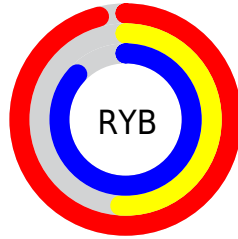
The Yxy color **40.9728, 0.3383, 0.2346** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.4200, 0.2952, 0.4476**, and the grayscale version is **43.0469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **18.5608, 0.3436, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **34.9009, 0.3455, 0.2171**, and if you desaturate by 10%, it is **48.6111, 0.3316, 0.2542**.

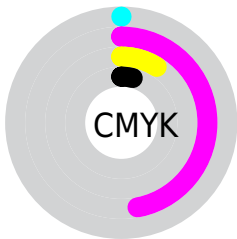
Distribution



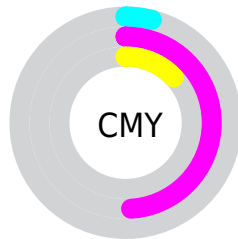
- Red (96%)
- Green (51%)
- Blue (87%)



- Red (96%)
- Yellow (51%)
- Blue (87%)



- Cyan (0%)
- Magenta (47%)
- Yellow (9%)
- Black (4%)



- Cyan (4%)
- Magenta (49%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9728, 0.3383, 0.2346 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 40.9728, 0.3383, 0.2346 by changing the saturation by 10% instead.


 40.9728, 0.3383,
0.2346


 40.9728, 0.3383,
0.2346


350.2069, 0.3270,
0.2786


 28.2978, 0.3407,
0.2246


 76.6426, 0.3345,
0.2499

 18.5503, 0.3435,
0.2122


 100.4062, 0.3330,
0.2558

 11.3458, 0.3469,
0.1967


 128.6349, 0.3317,
0.2609

 6.2999, 0.3509,
0.1768

161.7129, 0.3306,
0.2654

 3.0283, 0.3556,
0.1503

200.0247, 0.3295,
0.2693

 1.1465, 0.3604,
0.1144

243.9547, 0.3286,

 0.0174, 0.3863,

0.2727

0.0045

293.8873, 0.3278,
0.2758

0.0000, 0.2950,
0.0000

0.0000, 0.0000,
0.0000

40.9728, 0.3383,
0.2346

40.9728, 0.3383,
0.2346

34.9009, 0.3455,
0.2171

48.6111, 0.3316,
0.2542

30.2784, 0.3531,
0.2027


57.9108, 0.3255,
0.2748


26.9810, 0.3607,
0.1923


68.9656, 0.3201,
0.2957


24.8610, 0.3682,
0.1864

81.8611, 0.3154,
0.3161

 23.7331, 0.3754,
0.1853

 96.6769, 0.3114,
0.3357

 23.4716, 0.3778,
0.1855

 97.9162, 0.3086,
0.3325

 98.1487, 0.3066,
0.3290

Harmonies

Analogous

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



40.9728, 0.2521, 0.2039



40.9728, 0.3383, 0.2346



40.9728, 0.4286, 0.2841

Triad

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



40.9728, 0.3383, 0.2346



40.9728, 0.4313, 0.4674



40.9728, 0.1670, 0.2756

Complementary

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



40.9728, 0.3383, 0.2346



72.4200, 0.2952, 0.4476

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.



40.9728, 0.2023, 0.3675



40.9728, 0.3383, 0.2346



40.9728, 0.3537, 0.4966

Square

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



40.9728, 0.3383, 0.2346



40.9728, 0.4819, 0.4084



40.9728, 0.2698, 0.4606



40.9728, 0.1648, 0.2189

Rectangle

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



40.9728, 0.3383, 0.2346



40.9728, 0.4715, 0.3236



40.9728, 0.2698, 0.4606



40.9728, 0.1749, 0.3030

Sweetspot

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



40.9747, 0.3383, 0.2346



78.8638, 0.3189, 0.3008



29.4979, 0.2389, 0.1877



16.2605, 0.3200, 0.2963



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.



40.9747, 0.3383, 0.2346



38.4626, 0.3452, 0.2177



38.4421, 0.3983, 0.2902



16.7102, 0.3168, 0.3101



12.6669, 0.3767, 0.1849



1.1270, 0.3684, 0.1803

Inverse Universe

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



40.9747, 0.3383, 0.2346



38.4626, 0.3452, 0.2177



74.7176, 0.2674, 0.3734



16.7102, 0.3168, 0.3101



12.6669, 0.3767, 0.1849



1.1270, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 40.9728, 0.3383, 0.2346 looks on a white background.

Color Contrast Check

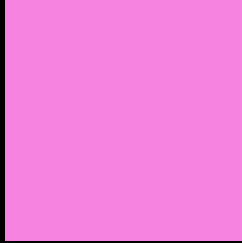
Large Text (above 18pt) WCAG AA × Fail

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 40.9728, 0.3383, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

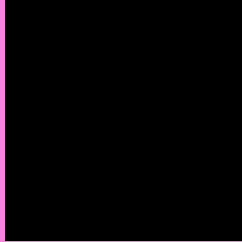
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9728, 0.3383, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 40.9728, 0.3383, 0.2346.

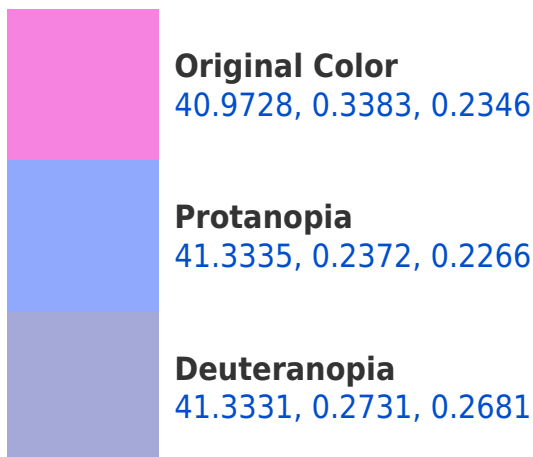


This preview shows how white text looks on a background with the Yxy color 40.9728, 0.3383, 0.2346.

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

40.9626, 0.3975, 0.3180

Trichromacy



Original Color

40.9728, 0.3383, 0.2346



Protanomaly

39.6173, 0.2671, 0.2268



Deuteranomaly

40.0265, 0.2939, 0.2516



Tritanomaly

40.8703, 0.3760, 0.2862

Monochromacy



Original Color

40.9728, 0.3383, 0.2346



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.4094, 0.3221, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9728, 0.3383, 0.2346 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(245, 131, 223)` looks like.

```
.text, #text, p{  
    color:rgb(245, 131, 223)  
}
```

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(245, 131, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 131, 223) }
```

Border

The CSS property to change the border of an element to Yxy 40.9728, 0.3383, 0.2346 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(245, 131, 223) }
```

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

```
.border{ border-color:rgb(245, 131, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 131, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 131, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 131, 223);  
box-shadow:4px 4px 4px 4px rgb(245, 131,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9728, 0.3383, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 131, 223) }
```

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

```
.background{ background-color: rgb(245,  
131, 223) }
```

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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