

Converting Colors

$Y_{xy}(37.8410, 0.4009, 0.2718)$

Have a look what the booklet for
Yxy(37.8410, 0.4009, 0.2718)
contains.

Yxy(37.8275, 0.4012, 0.2720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8275, 0.4012, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	FF78B0
RGB	255, 120, 176
RGB Percent	100%, 47%, 69%
CMY	0.0000, 0.5294, 0.3097
CMYK	0.00, 0.53, 0.31, 0.00
HSL	335°, 100%, 74%
HSV	335°, 53%, 100%
XYZ	55.7956, 37.8275, 45.4486
YIQ	166.7490, 62.4840, 46.0360

Conversions

Conversions Part 2

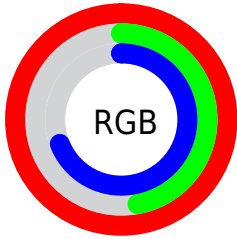
Format	Color
R _{YB}	255, 120, 176
Decimal	16742576
CIE Lab	67.89, 57.05, -4.83
CIE LCh	68, 57.250, 355.165
Yxy	37.8275, 0.4012, 0.2720
Android (android.graphics.Color)	4294932656 (0xFFFF78B0)
YUV	166.7490, 4.5607, 77.3961
Hunter-Lab	61.5041, 54.3004, -0.7597

Details

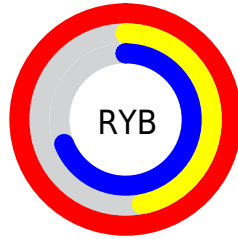
The Yxy color **37.8275, 0.4012, 0.2720** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6355, 0.2691, 0.3982**, and the grayscale version is **38.4710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1369, 0.3345, 0.2726**, and **16.7241, 0.4270, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **31.9320, 0.4280, 0.2642**, and if you desaturate by 10%, it is **45.4236, 0.3777, 0.2820**.

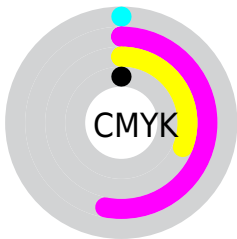
Distribution



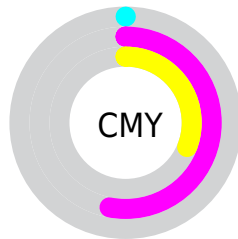
- Red (100%)
- Green (47%)
- Blue (69%)



- Red (100%)
- Yellow (47%)
- Blue (69%)



- Cyan (0%)
- Magenta (53%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8275, 0.4012, 0.2720 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 37.8275, 0.4012, 0.2720 by changing the saturation by 10% instead.


 37.8275, 0.4012,
0.2720


 37.8275, 0.4012,
0.2720


336.8794, 0.3560,
0.3006


 25.8488, 0.4127,
0.2649


 71.8437, 0.3846,
0.2824

 16.7106, 0.4276,
0.2557


 94.6500, 0.3784,
0.2863

 10.0284, 0.4475,
0.2437


 121.8342, 0.3732,
0.2896

 5.4178, 0.4756,
0.2270

153.7809, 0.3688,
0.2924

 2.4944, 0.5176,
0.2026

190.8744, 0.3649,
0.2949

 0.8738, 0.5862,
0.1643

233.4990, 0.3616,

 0.0000, 0.9358,

0.2970

0.0000

282.0392, 0.3587,
0.2989

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

37.8275, 0.4012,
0.2720

37.8275, 0.4012,
0.2720

31.9320, 0.4280,
0.2642

45.4236, 0.3777,
0.2820

27.5978, 0.4573,
0.2598

54.8359, 0.3577,
0.2930

24.6706, 0.4877,
0.2602

66.1752, 0.3409,
0.3044

22.9620, 0.5171,
0.2661

79.5419, 0.3270,
0.3155

■ 22.2970, 0.5364,
0.2729

■ 95.0294, 0.3157,
0.3260

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.



37.8275, 0.3132, 0.2284



37.8275, 0.4012, 0.2720



37.8275, 0.4662, 0.3282

Triad

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



37.8275, 0.4012, 0.2720



37.8275, 0.3745, 0.4857



37.8275, 0.1684, 0.2354

Complementary

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



37.8275, 0.4012, 0.2720



79.6355, 0.2691, 0.3982

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.



37.8275, 0.1793, 0.2999



37.8275, 0.4012, 0.2720



37.8275, 0.2938, 0.4693

Square

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



37.8275, 0.4012, 0.2720



37.8275, 0.4433, 0.4483



37.8275, 0.2226, 0.3920



37.8275, 0.1877, 0.2056

Rectangle

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



37.8275, 0.4012, 0.2720



37.8275, 0.4816, 0.3689



37.8275, 0.2226, 0.3920



37.8275, 0.1686, 0.2529

Sweetspot

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



37.8290, 0.4012, 0.2720



75.2314, 0.3310, 0.3121



32.7614, 0.2690, 0.1826



15.5055, 0.3338, 0.3099



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.



37.8290, 0.4012, 0.2720



31.4013, 0.4310, 0.2635



38.9163, 0.4622, 0.3408



18.1121, 0.3229, 0.3192



11.6787, 0.5322, 0.2706



1.1583, 0.5027, 0.2543

Inverse Universe

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



37.8290, 0.4012, 0.2720



31.4013, 0.4310, 0.2635



75.7643, 0.2420, 0.3157



18.1121, 0.3229, 0.3192



11.6787, 0.5322, 0.2706



1.1583, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 37.8275, 0.4012, 0.2720 looks on a white background.

Color Contrast Check

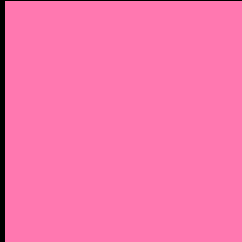
Large Text (above 18pt) WCAG AA × Fail

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 37.8275, 0.4012, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

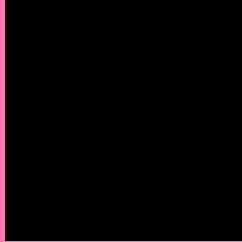
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8275, 0.4012, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 37.8275, 0.4012, 0.2720.

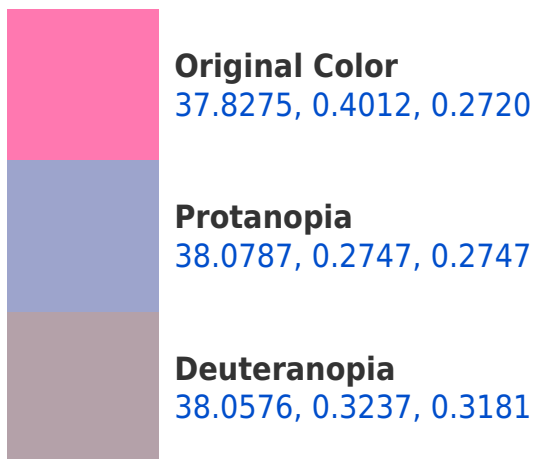


This preview shows how white text looks on a background with the Yxy color 37.8275, 0.4012, 0.2720.

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

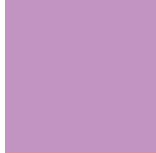
37.9399, 0.4418, 0.3200

Trichromacy



Original Color

37.8275, 0.4012, 0.2720



Protanomaly

36.4123, 0.3145, 0.2706



Deuteranomaly

36.8017, 0.3502, 0.2965



Tritanomaly

37.7842, 0.4275, 0.3024

Monochromacy



Original Color

37.8275, 0.4012, 0.2720



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.8571, 0.3433, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8275, 0.4012, 0.2720 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, 120, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 176)  
}
```

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, 120, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 176) }
```

Border

The CSS property to change the border of an element to Yxy 37.8275, 0.4012, 0.2720 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, 120, 176) }
```

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

```
.border{ border-color:rgb(255, 120, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8275, 0.4012, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 176) }
```

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

```
.background{ background-color: rgb(255,  
120, 176) }
```

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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