

Converting Colors

$Yxy(37.7558, 0.4024, 0.2728)$

Have a look what the booklet for
Yxy(37.7558, 0.4024, 0.2728)
contains.

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Color

Yxy(37.7881, 0.4024, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	FF78AF
RGB	255, 120, 175
RGB Percent	100%, 47%, 69%
CMY	0.0000, 0.5294, 0.3136
CMYK	0.00, 0.53, 0.31, 0.00
HSL	336°, 100%, 74%
HSV	336°, 53%, 100%
XYZ	55.6994, 37.7881, 44.9305
YIQ	166.6350, 62.8050, 45.7250

Conversions

Conversions Part 2

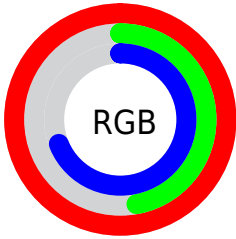
Format	Color
R_{YB}	255, 120, 175
Decimal	16742575
CIE _{Lab}	67.86, 56.93, -4.31
CIE _{LCh}	68, 57.094, 355.676
Yxy	37.7881, 0.4024, 0.2730
Android (android.graphics.Color)	4294932655 (0xFFFF78AF)
YUV	166.6350, 4.1239, 77.4961
Hunter-Lab	61.4720, 54.1616, -0.3052

Details

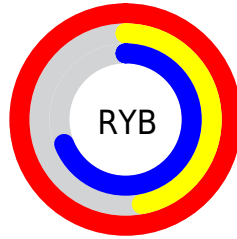
The Yxy color **37.7881, 0.4024, 0.2730** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6812, 0.2686, 0.3969**, and the grayscale version is **38.4130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0238, 0.3361, 0.2745**, and **16.6990, 0.4288, 0.2565** is the 20% darker color. If you saturate the color by 10%, you get **31.8892, 0.4296, 0.2654**, and if you desaturate by 10%, it is **45.3860, 0.3785, 0.2828**.

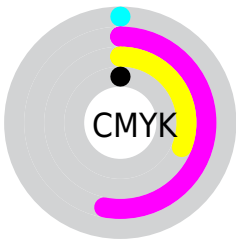
Distribution



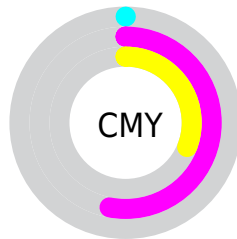
- Red (100%)
- Green (47%)
- Blue (69%)



- 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 37.7881, 0.4024, 0.2730 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 37.7881, 0.4024, 0.2730 by changing the saturation by 10% instead.

 37.7881, 0.4024,
0.2730


 37.7881, 0.4024,
0.2730


336.7101, 0.3566,
0.3012


 25.8183, 0.4141,
0.2660


 71.7832, 0.3855,
0.2833

 16.6877, 0.4292,
0.2569


 94.5773, 0.3793,
0.2871

 10.0121, 0.4495,
0.2449


 121.7483, 0.3740,
0.2904

 5.4070, 0.4781,
0.2284

153.6805, 0.3695,
0.2931

 2.4880, 0.5209,
0.2041

190.7584, 0.3656,
0.2955

 0.8706, 0.5908,
0.1658

233.3664, 0.3622,

 0.0000, 0.9652,

0.2977

0.0000

281.8888, 0.3592,
0.2995

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7881, 0.4024,
0.2730

■ 37.7881, 0.4024,
0.2730

■ 31.8892, 0.4296,
0.2654

■ 45.3860, 0.3785,
0.2828

■ 27.5544, 0.4594,
0.2612

■ 54.8033, 0.3582,
0.2937

■ 24.6280, 0.4902,
0.2617

■ 66.1491, 0.3412,
0.3048

■ 22.9213, 0.5200,
0.2677

■ 79.5241, 0.3272,
0.3157

■ 22.2585, 0.5395,
0.2746

■ 95.0217, 0.3157,
0.3261

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.



37.7881, 0.3147, 0.2292



37.7881, 0.4024, 0.2730



37.7881, 0.4665, 0.3293

Triad

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



37.7881, 0.4024, 0.2730



37.7881, 0.3731, 0.4856



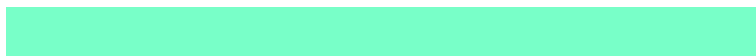
37.7881, 0.1687, 0.2349

Complementary

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



37.7881, 0.4024, 0.2730



79.6812, 0.2686, 0.3969

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.



37.7881, 0.1791, 0.2987



37.7881, 0.4024, 0.2730



37.7881, 0.2925, 0.4681

Square

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



37.7881, 0.4024, 0.2730



37.7881, 0.4421, 0.4489



37.7881, 0.2218, 0.3902



37.7881, 0.1885, 0.2056

Rectangle

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



37.7881, 0.4024, 0.2730



37.7881, 0.4813, 0.3699



37.7881, 0.2218, 0.3902



37.7881, 0.1687, 0.2521

Sweetspot

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



37.7881, 0.4024, 0.2730



75.2145, 0.3312, 0.3124



32.7594, 0.2690, 0.1826



15.5015, 0.3340, 0.3102



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.



37.7881, 0.4024, 0.2730



31.3596, 0.4326, 0.2647



38.9146, 0.4622, 0.3408



18.1098, 0.3230, 0.3193



11.6583, 0.5353, 0.2722



1.1562, 0.5054, 0.2558

Inverse Universe

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



37.7881, 0.4024, 0.2730



31.3596, 0.4326, 0.2647



75.7635, 0.2420, 0.3157



18.1098, 0.3230, 0.3193



11.6583, 0.5353, 0.2722



1.1562, 0.5054, 0.2558

Previews

White Background



This preview shows how the Yxy color 37.7881, 0.4024, 0.2730 looks on a white background.

Color Contrast Check

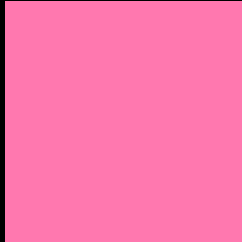
Large Text (above 18pt) WCAG AA × Fail

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 37.7881, 0.4024, 0.2730 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 37.7881, 0.4024, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 37.7881, 0.4024, 0.2730.



This preview shows how white text looks on a background with the Yxy color 37.7881, 0.4024, 0.2730.

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

37.7881, 0.4024, 0.2730

Protanopia

38.0308, 0.2754, 0.2759

Deuteranopia

38.0202, 0.3247, 0.3195



Tritanopia

37.9399, 0.4418, 0.3200

Trichromacy



Original Color

37.7881, 0.4024, 0.2730



Protanomaly

36.3675, 0.3154, 0.2718



Deuteranomaly

36.7634, 0.3512, 0.2978



Tritanomaly

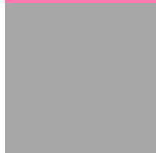
37.7842, 0.4275, 0.3024

Monochromacy



Original Color

37.7881, 0.4024, 0.2730



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 37.7881, 0.4024, 0.2730 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.7881, 0.4024, 0.2730 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, 175) }
```

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

```
.border{ border-color:rgb(255, 120, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7881, 0.4024, 0.2730 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
120, 175) }
```

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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