

Converting Colors

$Y_{xy}(34.6789, 0.3981, 0.2789)$

Have a look what the booklet for
Yxy(34.6789, 0.3981, 0.2789)
contains.

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Color

Yxy(34.7114, 0.3982, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	F078A6
RGB	240, 120, 166
RGB Percent	94%, 47%, 65%
CMY	0.0587, 0.5295, 0.3491
CMYK	0.00, 0.50, 0.31, 0.06
HSL	337°, 80%, 71%
HSV	337°, 50%, 94%
XYZ	49.5415, 34.7114, 40.1607
YIQ	161.1240, 56.7540, 39.7460

Conversions

Conversions Part 2

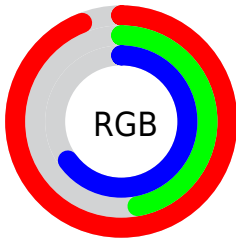
Format	Color
R_{YB}	240, 120, 166
Decimal	15759526
CIE _{Lab}	65.52, 51.00, -2.87
CIE _{LCh}	66, 51.077, 356.775
Yxy	34.7114, 0.3982, 0.2790
Android (android.graphics.Color)	4293949606 (0xFFFF078A6)
YUV	161.1240, 2.4039, 69.1743
Hunter-Lab	58.9164, 46.9931, 0.8261

Details

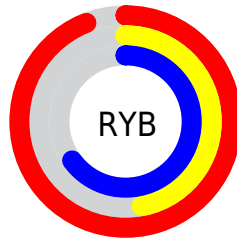
The Yxy color **34.7114, 0.3982, 0.2790** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **70.2263, 0.2689, 0.3882**, and the grayscale version is **35.6694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1404, 0.3438, 0.2821**, and **14.9351, 0.4254, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **29.1338, 0.4256, 0.2712**, and if you desaturate by 10%, it is **41.8017, 0.3744, 0.2886**.

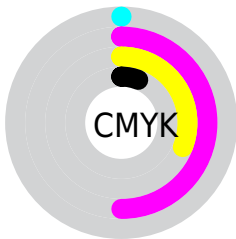
Distribution



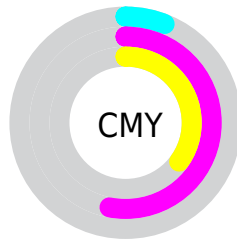
- Red (94%)
- Green (47%)
- Blue (65%)



- Red (94%)
- Yellow (47%)
- Blue (65%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (6%)





- Cyan (6%)
- Magenta (53%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7114, 0.3982, 0.2790 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 34.7114, 0.3982, 0.2790 by changing the saturation by 10% instead.


 34.7114, 0.3982,
0.2790


 34.7114, 0.3982,
0.2790


323.2926, 0.3538,
0.3047


 23.4406, 0.4098,
0.2724


 67.0384, 0.3817,
0.2885

 14.9192, 0.4250,
0.2638


 88.8635, 0.3756,
0.2920

 8.7627, 0.4457,
0.2522


 114.9755, 0.3705,
0.2950

 4.5867, 0.4754,
0.2358

145.7588, 0.3661,
0.2975

 2.0069, 0.5213,
0.2108

181.5977, 0.3624,
0.2997

 0.6115, 0.6045,
0.1636

222.8767, 0.3591,

 0.0000, 1.0000,

0.3016

0.0000

269.9802, 0.3563,
0.3032

■ 0.0000, 0.0000,
0.0000

■ 34.7114, 0.3982,
0.2790

■ 34.7114, 0.3982,
0.2790

■ 29.1338, 0.4256,
0.2712

■ 41.8017, 0.3744,
0.2886

■ 24.9513, 0.4561,
0.2663

■ 50.5004, 0.3543,
0.2989

■ 22.0374, 0.4883,
0.2658

■ 60.9013, 0.3377,
0.3094

■ 20.2396, 0.5198,
0.2704

■ 73.0893, 0.3240,
0.3195

■ 19.3031, 0.5487,
0.2796

■ 87.1438, 0.3127,
0.3290

97.2588, 0.3037,
0.3292

97.2706, 0.3036,
0.3290

Harmonies

Analogous

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



34.7114, 0.3179, 0.2371



34.7114, 0.3982, 0.2790



34.7114, 0.4557, 0.3325

Triad

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



34.7114, 0.3982, 0.2790



34.7114, 0.3674, 0.4736



34.7114, 0.1783, 0.2407

Complementary

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



34.7114, 0.3982, 0.2790



70.2263, 0.2689, 0.3882

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.



34.7114, 0.1874, 0.2992



34.7114, 0.3982, 0.2790



34.7114, 0.2924, 0.4538

Square

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



34.7114, 0.3982, 0.2790



34.7114, 0.4318, 0.4433



34.7114, 0.2269, 0.3821



34.7114, 0.1980, 0.2135

Rectangle

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



34.7114, 0.3982, 0.2790



34.7114, 0.4686, 0.3709



34.7114, 0.2269, 0.3821



34.7114, 0.1781, 0.2566

Sweetspot

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



34.7131, 0.3982, 0.2790



76.5496, 0.3305, 0.3144



31.1939, 0.2759, 0.1925



15.7623, 0.3335, 0.3123



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.



34.7131, 0.3982, 0.2790



33.3231, 0.4262, 0.2711



36.9342, 0.4466, 0.3446



15.8591, 0.3233, 0.3200



10.5878, 0.5445, 0.2773



0.8997, 0.5090, 0.2578

Inverse Universe

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



34.7131, 0.3982, 0.2790



33.3231, 0.4262, 0.2711



64.6916, 0.2441, 0.3115



15.8591, 0.3233, 0.3200



10.5878, 0.5445, 0.2773



0.8997, 0.5090, 0.2578

Previews

White Background



This preview shows how the Yxy color 34.7114, 0.3982, 0.2790 looks on a white background.

Color Contrast Check

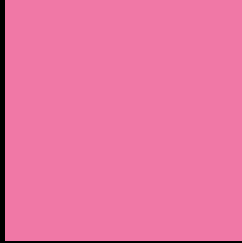
Large Text (above 18pt) WCAG AA × Fail

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 34.7114, 0.3982, 0.2790 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 34.7114, 0.3982, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 34.7114, 0.3982, 0.2790.



This preview shows how white text looks on a background with the Yxy color 34.7114, 0.3982, 0.2790.

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

34.7114, 0.3982, 0.2790

Protanopia

34.9437, 0.2812, 0.2836

Deuteranopia

34.6479, 0.3271, 0.3206



Tritanopia

34.6755, 0.4306, 0.3193

Trichromacy



Original Color

34.7114, 0.3982, 0.2790



Protanomaly

33.5970, 0.3191, 0.2797



Deuteranomaly

33.9604, 0.3522, 0.3029



Tritanomaly

34.6678, 0.4191, 0.3049

Monochromacy



Original Color

34.7114, 0.3982, 0.2790



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.1493, 0.3419, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7114, 0.3982, 0.2790 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(240, 120, 166)` looks like.

```
.text, #text, p{  
    color:rgb(240, 120, 166)  
}
```

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(240, 120, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 120, 166) }
```

Border

The CSS property to change the border of an element to Yxy 34.7114, 0.3982, 0.2790 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(240, 120, 166) }
```

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

```
.border{ border-color:rgb(240, 120, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 120, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 120, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 120, 166);  
box-shadow:4px 4px 4px 4px rgb(240, 120,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7114, 0.3982, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 120, 166) }
```

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

```
.background{ background-color: rgb(240,  
120, 166) }
```

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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