

Converting Colors

Yxy(34.8332, 0.3478, 0.2235)

Have a look what the booklet for
Yxy(34.8332, 0.3478, 0.2235)
contains.

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Color

Yxy(34.8332, 0.3478, 0.2235)

Conversions

Conversions Part 1

Format	Color
Hex	F26ED5
RGB	242, 110, 213
RGB Percent	95%, 43%, 84%
CMY	0.0509, 0.5686, 0.1647
CMYK	0.00, 0.55, 0.12, 0.05
HSL	313°, 84%, 69%
HSV	313°, 55%, 95%
XYZ	54.2058, 34.8332, 66.8143
YIQ	161.2100, 45.6090, 60.0170

Conversions

Conversions Part 2

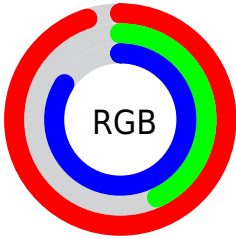
Format	Color
R _Y B	242, 110, 213
Decimal	15888085
CIE Lab	65.62, 62.84, -29.23
CIE LCh	66, 69.304, 335.051
Yxy	34.8332, 0.3478, 0.2235
Android (android.graphics.Color)	4294078165 (0xFFFF26ED5)
YUV	161.2100, 25.5325, 70.8528
Hunter-Lab	59.0197, 60.6564, -25.8066

Details

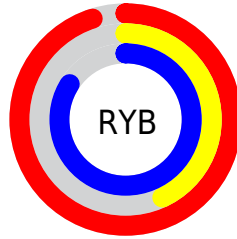
The Yxy color **34.8332, 0.3478, 0.2235** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.6893, 0.2915, 0.4674**, and the grayscale version is **35.6072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **14.9919, 0.3555, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **30.0408, 0.3564, 0.2088**, and if you desaturate by 10%, it is **41.0634, 0.3397, 0.2410**.

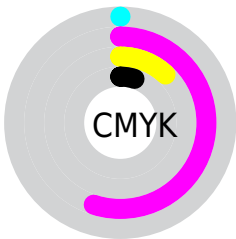
Distribution



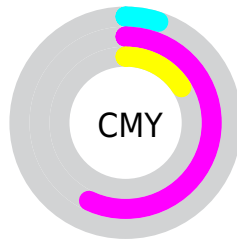
- Red (95%)
- Green (43%)
- Blue (84%)



- Red (95%)
- Yellow (43%)
- Blue (84%)



- Cyan (0%)
- Magenta (55%)
- Yellow (12%)
- Black (5%)




- Cyan (5%)
- Magenta (57%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8332, 0.3478, 0.2235 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 34.8332, 0.3478, 0.2235 by changing the saturation by 10% instead.


 34.8332, 0.3478,
0.2235


 34.8332, 0.3478,
0.2235


323.8315, 0.3318,
0.2733

 23.5344, 0.3513,
0.2120


 67.2273, 0.3423,
0.2409

 14.9886, 0.3555,
0.1978


 89.0914, 0.3402,
0.2477

 8.8114, 0.3607,
0.1799


 115.2460, 0.3383,
0.2535

 4.6184, 0.3670,
0.1569

146.0756, 0.3367,
0.2585

 2.0251, 0.3747,
0.1264

181.9646, 0.3353,
0.2629

 0.6220, 0.3844,
0.0828

223.2973, 0.3340,

 0.0000, 0.4022,

0.2668

0.0000

270.4581, 0.3328,
0.2702

■ 0.0000, 0.0626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8332, 0.3478,
0.2235

■ 34.8332, 0.3478,
0.2235

■ 30.0408, 0.3564,
0.2088

■ 41.0634, 0.3397,
0.2410

■ 26.5619, 0.3652,
0.1979

■ 48.8322, 0.3323,
0.2604

■ 24.2600, 0.3740,
0.1915

■ 58.2371, 0.3256,
0.2805


■ 22.9652, 0.3825,
0.1899


■ 69.3661, 0.3198,
0.3007

 22.5452, 0.3870,
0.1906

 82.3008, 0.3148,
0.3203

 96.9859, 0.3105,
0.3389

 97.3154, 0.3074,
0.3336

 97.6189, 0.3048,
0.3290

Harmonies

Analogous

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



34.8332, 0.2465, 0.1880



34.8332, 0.3478, 0.2235



34.8332, 0.4544, 0.2793

Triad

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



34.8332, 0.3478, 0.2235



34.8332, 0.4408, 0.4888



34.8332, 0.1453, 0.2591

Complementary

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



34.8332, 0.3478, 0.2235



68.6893, 0.2915, 0.4674

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.



34.8332, 0.1808, 0.3663



34.8332, 0.3478, 0.2235



34.8332, 0.3500, 0.5279

Square

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



34.8332, 0.3478, 0.2235



34.8332, 0.5048, 0.4180



34.8332, 0.2547, 0.4835



34.8332, 0.1457, 0.1989

Rectangle

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



34.8332, 0.3478, 0.2235



34.8332, 0.5025, 0.3231



34.8332, 0.2547, 0.4835



34.8332, 0.1528, 0.2899

Sweetspot

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



34.8349, 0.3478, 0.2235



76.1103, 0.3206, 0.2977



23.0183, 0.2267, 0.1621



15.7153, 0.3218, 0.2935



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.



34.8349, 0.3478, 0.2235



33.5383, 0.3570, 0.2080



32.1502, 0.4274, 0.2893



15.9685, 0.3172, 0.3108



12.1317, 0.3857, 0.1898



1.0238, 0.3754, 0.1842

Inverse Universe

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



34.8349, 0.3478, 0.2235



33.5383, 0.3570, 0.2080



71.2136, 0.2600, 0.3767



15.9685, 0.3172, 0.3108



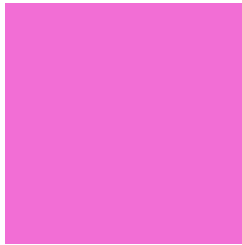
12.1317, 0.3857, 0.1898



1.0238, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 34.8332, 0.3478, 0.2235 looks on a white background.

Color Contrast Check

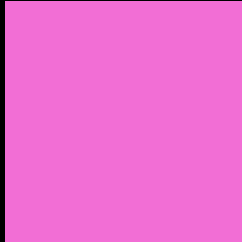
Large Text (above 18pt) WCAG AA × Fail

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 34.8332, 0.3478, 0.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

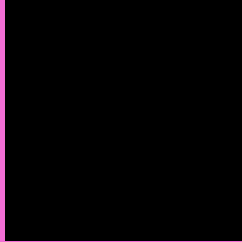
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8332, 0.3478, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 34.8332, 0.3478, 0.2235.



This preview shows how white text looks on a background with the Yxy color 34.8332, 0.3478, 0.2235.

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

34.8332, 0.3478, 0.2235

Protanopia

35.3760, 0.2243, 0.2100

Deuteranopia

35.1010, 0.2683, 0.2628



Tritanopia

34.7369, 0.4242, 0.3192

Trichromacy



Original Color

34.8332, 0.3478, 0.2235



Protanomaly

33.1954, 0.2577, 0.2096



Deuteranomaly

33.5006, 0.2936, 0.2427



Tritanomaly

34.3959, 0.3959, 0.2805

Monochromacy



Original Color

34.8332, 0.3478, 0.2235



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.5884, 0.3253, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8332, 0.3478, 0.2235 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(242, 110, 213)` looks like.

```
.text, #text, p{  
    color:rgb(242, 110, 213)  
}
```

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(242, 110, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 110, 213) }
```

Border

The CSS property to change the border of an element to Yxy 34.8332, 0.3478, 0.2235 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(242, 110, 213) }
```

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

```
.border{ border-color:rgb(242, 110, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 110, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 110, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 110, 213);  
box-shadow:4px 4px 4px 4px rgb(242, 110,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8332, 0.3478, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 110, 213) }
```

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

```
.background{ background-color: rgb(242,  
110, 213) }
```

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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