

Converting Colors

$Y_{xy}(35.7135, 0.3534, 0.2251)$

Have a look what the booklet for
Yxy(35.7135, 0.3534, 0.2251)
contains.

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Color

Yxy(35.6978, 0.3539, 0.2248)

Conversions

Conversions Part 1

Format	Color
Hex	F86DD5
RGB	248, 109, 213
RGB Percent	97%, 43%, 84%
CMY	0.0274, 0.5726, 0.1646
CMYK	0.00, 0.56, 0.14, 0.03
HSL	315°, 91%, 70%
HSV	315°, 56%, 97%
XYZ	56.1986, 35.6978, 66.9016
YIQ	162.4170, 49.4600, 61.8120

Conversions

Conversions Part 2

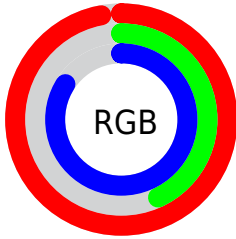
Format	Color
R _Y B	248, 109, 213
Decimal	16281045
CIE Lab	66.29, 64.97, -28.15
CIE LCh	66, 70.807, 336.572
Yxy	35.6978, 0.3539, 0.2248
Android (android.graphics.Color)	4294471125 (0xFFFF86DD5)
YUV	162.4170, 24.9374, 75.0563
Hunter-Lab	59.7476, 63.3387, -24.5658

Details

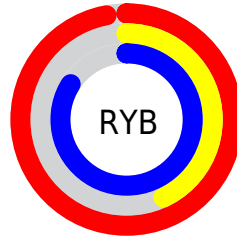
The Yxy color **35.6978, 0.3539, 0.2248** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **72.4097, 0.2892, 0.4663**, and the grayscale version is **36.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **15.5686, 0.3641, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **30.8237, 0.3639, 0.2111**, and if you desaturate by 10%, it is **42.0798, 0.3445, 0.2414**.

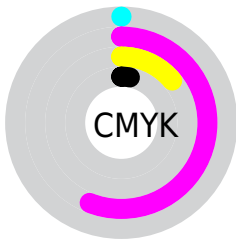
Distribution



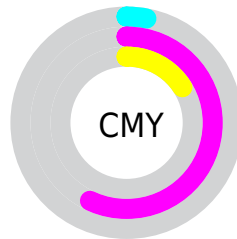
- Red (97%)
- Green (43%)
- Blue (84%)



- Red (97%)
- Yellow (43%)
- Blue (84%)



- Cyan (0%)
- Magenta (56%)
- Yellow (14%)
- Black (3%)




- Cyan (3%)
- Magenta (57%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6978, 0.3539, 0.2248 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 35.6978, 0.3539, 0.2248 by changing the saturation by 10% instead.


 35.6978, 0.3539,
0.2248

 35.6978, 0.3539,
0.2248


327.6378, 0.3348,
0.2739


 24.2009, 0.3582,
0.2135


 68.5654, 0.3473,
0.2419

 15.4827, 0.3634,
0.1996


 90.7048, 0.3447,
0.2486

 9.1589, 0.3700,
0.1821


 117.1606, 0.3425,
0.2543

 4.8449, 0.3782,
0.1594

148.3170, 0.3406,
0.2592

 2.1566, 0.3887,
0.1296

184.5586, 0.3389,
0.2636

 0.6962, 0.4025,
0.0882

226.2696, 0.3374,

 0.0000, 0.4328,

0.2674

0.0000

273.8346, 0.3360,
0.2708

■ 0.0000, 0.3123,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6978, 0.3539,
0.2248

■ 35.6978, 0.3539,
0.2248

■ 30.8237, 0.3639,
0.2111

■ 42.0798, 0.3445,
0.2414

■ 27.3231, 0.3743,
0.2014

■ 50.0789, 0.3359,
0.2600


■ 25.0464, 0.3846,
0.1963

■ 59.8000, 0.3282,
0.2794


■ 23.8062, 0.3946,
0.1961

■ 71.3378, 0.3215,
0.2989

 23.4887, 0.3985,
0.1969

 84.7799, 0.3158,
0.3179

 98.4123, 0.3110,
0.3334

 98.7001, 0.3084,
0.3290

Harmonies

Analogous

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



35.6978, 0.2501, 0.1878



35.6978, 0.3539, 0.2248



35.6978, 0.4609, 0.2818

Triad

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



35.6978, 0.3539, 0.2248



35.6978, 0.4376, 0.4935



35.6978, 0.1428, 0.2538

Complementary

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



35.6978, 0.3539, 0.2248



72.4097, 0.2892, 0.4663

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.



35.6978, 0.1764, 0.3602



35.6978, 0.3539, 0.2248



35.6978, 0.3450, 0.5307

Square

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



35.6978, 0.3539, 0.2248



35.6978, 0.5046, 0.4222



35.6978, 0.2492, 0.4811



35.6978, 0.1450, 0.1955

Rectangle

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



35.6978, 0.3539, 0.2248



35.6978, 0.5074, 0.3261



35.6978, 0.2492, 0.4811



35.6978, 0.1497, 0.2841

Sweetspot

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



35.6995, 0.3539, 0.2248



74.7094, 0.3221, 0.2970



23.6182, 0.2272, 0.1584



15.4358, 0.3234, 0.2931



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.



35.6995, 0.3539, 0.2248



32.3779, 0.3650, 0.2099



32.8994, 0.4387, 0.2934



17.4456, 0.3177, 0.3114



12.7101, 0.3970, 0.1961



1.1941, 0.3859, 0.1899

Inverse Universe

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



35.6995, 0.3539, 0.2248



32.3779, 0.3650, 0.2099



75.2143, 0.2570, 0.3723



17.4456, 0.3177, 0.3114



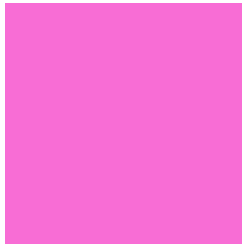
12.7101, 0.3970, 0.1961



1.1941, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 35.6978, 0.3539, 0.2248 looks on a white background.

Color Contrast Check

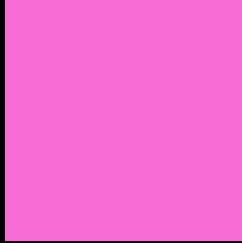
Large Text (above 18pt) WCAG AA × Fail

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 35.6978, 0.3539, 0.2248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

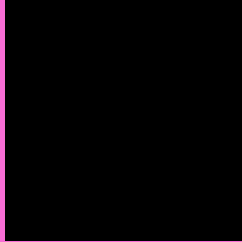
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6978, 0.3539, 0.2248

Background



This preview shows how black text looks on a background with the Yxy color 35.6978, 0.3539, 0.2248.

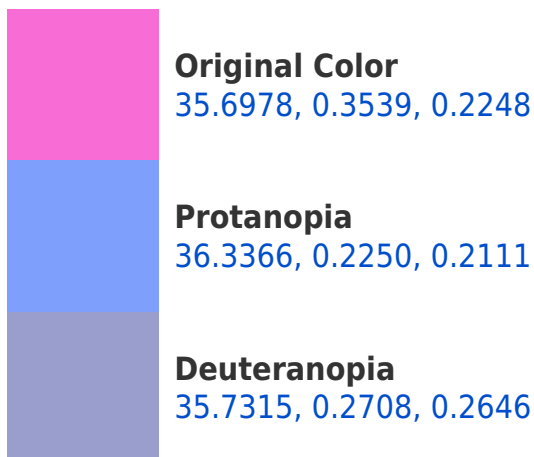


This preview shows how white text looks on a background with the Yxy color 35.6978, 0.3539, 0.2248.

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

35.4816, 0.4319, 0.3195

Trichromacy



Original Color

35.6978, 0.3539, 0.2248



Protanomaly

33.8807, 0.2596, 0.2106



Deuteranomaly

34.0016, 0.2974, 0.2436



Tritanomaly

35.1680, 0.4037, 0.2818

Monochromacy



Original Color

35.6978, 0.3539, 0.2248



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.3186, 0.3273, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6978, 0.3539, 0.2248 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(248, 109, 213)` looks like.

```
.text, #text, p{  
    color:rgb(248, 109, 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(248, 109, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 109, 213) }
```

Border

The CSS property to change the border of an element to Yxy 35.6978, 0.3539, 0.2248 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(248, 109, 213) }
```

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

```
.border{ border-color:rgb(248, 109, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 109, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 109, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 109, 213);  
box-shadow:4px 4px 4px 4px rgb(248, 109,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6978, 0.3539, 0.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 109, 213) }
```

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

```
.background{ background-color: rgb(248,  
109, 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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