

Converting Colors

$Y_{xy}(36.3179, 0.3412, 0.2154)$

Have a look what the booklet for
Yxy(36.3179, 0.3412, 0.2154)
contains.

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Color

Yxy(36.3078, 0.3412, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	F76EE0
RGB	247, 110, 224
RGB Percent	97%, 43%, 88%
CMY	0.0314, 0.5685, 0.1217
CMYK	0.00, 0.55, 0.09, 0.03
HSL	310°, 90%, 70%
HSV	310°, 55%, 97%
XYZ	57.3794, 36.3078, 74.4823
YIQ	163.9590, 45.0580, 64.4980

Conversions

Conversions Part 2

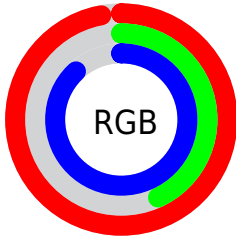
Format	Color
R _Y B	247, 110, 224
Decimal	16215776
CIE Lab	66.75, 65.88, -33.54
CIE LCh	67, 73.928, 333.018
Yxy	36.3078, 0.3412, 0.2159
Android (android.graphics.Color)	4294405856 (0xFFFF76EE0)
YUV	163.9590, 29.6002, 72.8270
Hunter-Lab	60.2560, 64.5308, -31.1091

Details

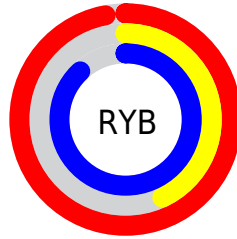
The Yxy color **36.3078, 0.3412, 0.2159** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **71.5214, 0.2945, 0.4795**, and the grayscale version is **36.9486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **15.8862, 0.3474, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **31.4780, 0.3477, 0.2008**, and if you desaturate by 10%, it is **42.6314, 0.3349, 0.2341**.

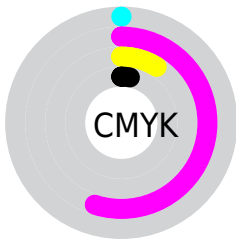
Distribution



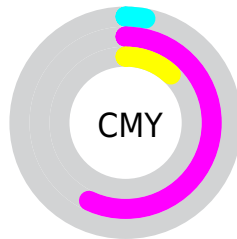
- Red (97%)
- Green (43%)
- Blue (88%)



- Red (97%)
- Yellow (43%)
- Blue (88%)



- Cyan (0%)
- Magenta (55%)
- Yellow (9%)
- Black (3%)



- Cyan (3%)
- Magenta (57%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3078, 0.3412, 0.2159 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 36.3078, 0.3412, 0.2159 by changing the saturation by 10% instead.


 36.3078, 0.3412,
0.2159


 36.3078, 0.3412,
0.2159


330.3039, 0.3290,
0.2684

 24.6720, 0.3436,
0.2040


 69.5069, 0.3372,
0.2341

 15.8329, 0.3465,
0.1895


 91.8390, 0.3356,
0.2411

 9.4060, 0.3497,
0.1715


 118.5053, 0.3342,
0.2473

 5.0069, 0.3532,
0.1486

149.8902, 0.3329,
0.2526

 2.2513, 0.3566,
0.1189

186.3781, 0.3318,
0.2573

 0.7478, 0.3586,
0.0800

228.3534, 0.3308,

 0.0000, 0.3654,

0.2614

0.0000

276.2006, 0.3298,
0.2651

■ 0.0000, 0.2228,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3078, 0.3412,
0.2159

■ 36.3078, 0.3412,
0.2159

■ 31.4780, 0.3477,
0.2008

■ 42.6314, 0.3349,
0.2341

■ 28.0101, 0.3543,
0.1896

■ 50.5559, 0.3290,
0.2543

■ 25.7578, 0.3608,
0.1829

■ 60.1845, 0.3237,
0.2755

■ 24.5386, 0.3668,
0.1808

■ 71.6105, 0.3189,
0.2969

■ 24.2016, 0.3695,
0.1809

■ 84.9200, 0.3148,
0.3179

■ 98.1221, 0.3113,
0.3349

■ 98.3837, 0.3089,
0.3309

■ 98.5107, 0.3078,
0.3290

Harmonies

Analogous

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



36.3078, 0.2372, 0.1810



36.3078, 0.3412, 0.2159



36.3078, 0.4550, 0.2722

Triad

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



36.3078, 0.3412, 0.2159



36.3078, 0.4504, 0.4897



36.3078, 0.1399, 0.2610

Complementary

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



36.3078, 0.3412, 0.2159



71.5214, 0.2945, 0.4795

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.



36.3078, 0.1786, 0.3767



36.3078, 0.3412, 0.2159



36.3078, 0.3566, 0.5375

Square

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



36.3078, 0.3412, 0.2159



36.3078, 0.5155, 0.4142



36.3078, 0.2572, 0.4994



36.3078, 0.1384, 0.1958

Rectangle

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



36.3078, 0.3412, 0.2159



36.3078, 0.5083, 0.3168



36.3078, 0.2572, 0.4994



36.3078, 0.1483, 0.2943

Sweetspot

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



36.3095, 0.3412, 0.2159



74.9318, 0.3196, 0.2935



22.8478, 0.2199, 0.1570



15.4887, 0.3206, 0.2892



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.



36.3095, 0.3412, 0.2159



33.1310, 0.3488, 0.1986



33.3189, 0.4217, 0.2816



16.7177, 0.3164, 0.3095



12.8201, 0.3686, 0.1804



1.1392, 0.3616, 0.1766

Inverse Universe

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



36.3095, 0.3412, 0.2159



33.1310, 0.3488, 0.1986



74.0594, 0.2626, 0.3869



16.7177, 0.3164, 0.3095



12.8201, 0.3686, 0.1804



1.1392, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 36.3078, 0.3412, 0.2159 looks on a white background.

Color Contrast Check

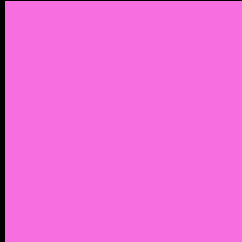
Large Text (above 18pt) WCAG AA × Fail

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 36.3078, 0.3412, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

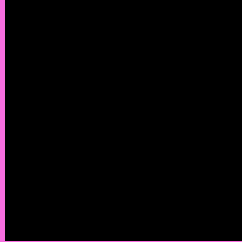
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3078, 0.3412, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 36.3078, 0.3412, 0.2159.



This preview shows how white text looks on a background with the Yxy color 36.3078, 0.3412, 0.2159.

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

36.3078, 0.3412, 0.2159

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.4890, 0.2596, 0.2536



Tritanopia

36.3032, 0.4231, 0.3193

Trichromacy



Original Color

36.3078, 0.3412, 0.2159



Protanomaly

34.5356, 0.2558, 0.2064



Deuteranomaly

34.7748, 0.2855, 0.2338



Tritanomaly

35.8070, 0.3922, 0.2770

Monochromacy



Original Color

36.3078, 0.3412, 0.2159



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

34.9610, 0.3233, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3078, 0.3412, 0.2159 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(247, 110, 224)` looks like.

```
.text, #text, p{  
    color:rgb(247, 110, 224)  
}
```

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(247, 110, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 110, 224) }
```

Border

The CSS property to change the border of an element to Yxy 36.3078, 0.3412, 0.2159 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(247, 110, 224) }
```

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

```
.border{ border-color:rgb(247, 110, 224) }
```

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

Here you see how a box with a 4 pixel rgb(247, 110, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 110, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 110, 224);  
box-shadow:4px 4px 4px 4px rgb(247, 110,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3078, 0.3412, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 110, 224) }
```

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

```
.background{ background-color: rgb(247,  
110, 224) }
```

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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