

Converting Colors

Yxy(34.0617, 0.3643, 0.2173)

Have a look what the booklet for
Yxy(34.0617, 0.3643, 0.2173)
contains.

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Color

Yxy(34.0189, 0.3639, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	FF5ED4
RGB	255, 94, 212
RGB Percent	100%, 37%, 83%
CMY	0.0000, 0.6314, 0.1686
CMYK	0.00, 0.63, 0.17, 0.00
HSL	316°, 100%, 68%
HSV	316°, 63%, 100%
XYZ	57.1273, 34.0189, 65.8400
YIQ	155.5910, 58.0780, 70.8300

Conversions

Conversions Part 2

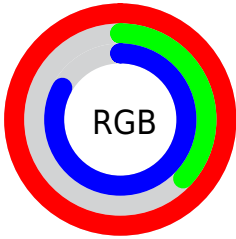
Format	Color
R _{YB}	255, 94, 212
Decimal	16735956
CIE _{Lab}	64.98, 72.92, -29.51
CIE _{LCh}	65, 78.663, 337.968
Y _{xy}	34.0189, 0.3639, 0.2167
Android (android.graphics.Color)	4294926036 (0xFFFF5ED4)
YUV	155.5910, 27.8096, 87.1817
Hunter-Lab	58.3257, 72.7622, -26.1005

Details

The Yxy color **34.0189, 0.3639, 0.2167** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.7063, 0.2868, 0.4837**, and the grayscale version is **32.9094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **14.5728, 0.3766, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **29.8723, 0.3750, 0.2060**, and if you desaturate by 10%, it is **39.6785, 0.3533, 0.2311**.

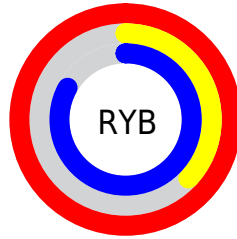
Distribution



Red (100%)

Green (37%)

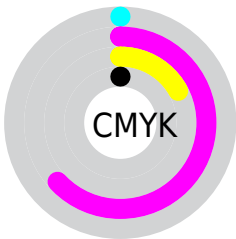
Blue (83%)



Red (100%)

Yellow (37%)

Blue (83%)

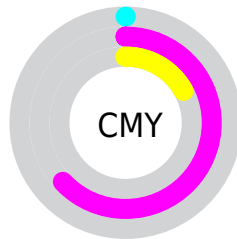


Cyan (0%)

Magenta (63%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0189, 0.3639, 0.2167 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 34.0189, 0.3639, 0.2167 by changing the saturation by 10% instead.


 34.0189, 0.3639,
0.2167


 34.0189, 0.3639,
0.2167


320.2163, 0.3399,
0.2695

 22.9081, 0.3694,
0.2046


 65.9631, 0.3556,
0.2351


 14.5257, 0.3761,
0.1898


 87.5652, 0.3523,
0.2422

 8.4872, 0.3845,
0.1712


 113.4333, 0.3495,
0.2483

 4.4082, 0.3952,
0.1474

 143.9517, 0.3471,
0.2537

 1.9044, 0.4091,
0.1165

179.5048, 0.3450,
0.2583

 0.5510, 0.4292,
0.0714

220.4770, 0.3431,

 0.0000, 0.4608,

0.2625

0.0000

267.2527, 0.3414,
0.2662

■ 0.0000, 0.4415,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0189, 0.3639,
0.2167

■ 34.0189, 0.3639,
0.2167

■ 29.8723, 0.3750,
0.2060

■ 39.6785, 0.3533,
0.2311

■ 27.0826, 0.3861,
0.1998


■ 46.9823, 0.3435,
0.2481

■ 25.4631, 0.3971,
0.1986

■ 56.0497, 0.3347,
0.2667

■ 24.8430, 0.4044,
0.2001

■ 66.9883, 0.3269,
0.2859

 79.8969, 0.3201,
0.3049

 94.8676, 0.3143,
0.3234

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.



34.0189, 0.2469, 0.1760



34.0189, 0.3639, 0.2167



34.0189, 0.4842, 0.2783

Triad

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



34.0189, 0.3639, 0.2167



34.0189, 0.4413, 0.5107



34.0189, 0.1262, 0.2388

Complementary

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



34.0189, 0.3639, 0.2167



75.7063, 0.2868, 0.4837

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.



34.0189, 0.1586, 0.3559



34.0189, 0.3639, 0.2167



34.0189, 0.3385, 0.5573

Square

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



34.0189, 0.3639, 0.2167



34.0189, 0.5201, 0.4290



34.0189, 0.2347, 0.4988



34.0189, 0.1309, 0.1795

Rectangle

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



34.0189, 0.3639, 0.2167



34.0189, 0.5333, 0.3255



34.0189, 0.2347, 0.4988



34.0189, 0.1324, 0.2711

Sweetspot

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



34.0195, 0.3639, 0.2167



72.0822, 0.3240, 0.2938



20.5393, 0.2161, 0.1371



14.6667, 0.3260, 0.2883



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.



34.0195, 0.3639, 0.2167



28.9418, 0.3782, 0.2037



30.9204, 0.4688, 0.2935



18.2127, 0.3179, 0.3117



13.0071, 0.4027, 0.1992



1.2846, 0.3912, 0.1929

Inverse Universe

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



34.0195, 0.3639, 0.2167



28.9418, 0.3782, 0.2037



78.9323, 0.2518, 0.3754



18.2127, 0.3179, 0.3117



13.0071, 0.4027, 0.1992



1.2846, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 34.0189, 0.3639, 0.2167 looks on a white background.

Color Contrast Check

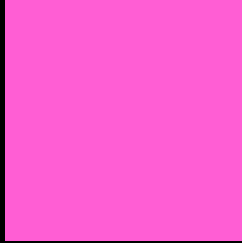
Large Text (above 18pt) WCAG AA × Fail

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 34.0189, 0.3639, 0.2167 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 34.0189, 0.3639, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 34.0189, 0.3639, 0.2167.



This preview shows how white text looks on a background with the Yxy color 34.0189, 0.3639, 0.2167.

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

34.0189, 0.3639, 0.2167

Protanopia

34.5846, 0.2182, 0.2019

Deuteranopia

34.2385, 0.2686, 0.2622



Tritanopia

33.9774, 0.4576, 0.3211

Trichromacy



Original Color

34.0189, 0.3639, 0.2167



Protanomaly

31.3319, 0.2554, 0.1995



Deuteranomaly

31.9227, 0.2991, 0.2371



Tritanomaly

33.6956, 0.4234, 0.2799

Monochromacy



Original Color

34.0189, 0.3639, 0.2167



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.1161, 0.3325, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0189, 0.3639, 0.2167 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, 94, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 212)  
}
```

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, 94, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 212) }
```

Border

The CSS property to change the border of an element to Yxy 34.0189, 0.3639, 0.2167 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, 94, 212) }
```

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

```
.border{ border-color:rgb(255, 94, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 94, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0189, 0.3639, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 212) }
```

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

```
.background{ background-color: rgb(255, 94,  
212) }
```

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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