

Converting Colors

$Yxy(36.9715, 0.3348, 0.2012)$

Have a look what the booklet for
Yxy(36.9715, 0.3348, 0.2012)
contains.

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Color

Yxy(36.9947, 0.3344, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	FF66EF
RGB	255, 102, 239
RGB Percent	100%, 40%, 94%
CMY	0.0000, 0.6001, 0.0627
CMYK	0.00, 0.60, 0.06, 0.00
HSL	306°, 100%, 70%
HSV	306°, 60%, 100%
XYZ	61.5780, 36.9947, 85.5721
YIQ	163.3650, 47.2110, 75.0430

Conversions

Conversions Part 2

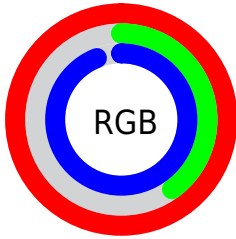
Format	Color
R _{YB}	255, 102, 239
Decimal	16738031
CIE _{Lab}	67.27, 73.71, -40.99
CIE _{LCh}	67, 84.342, 330.920
Yxy	36.9947, 0.3344, 0.2009
Android (android.graphics.Color)	4294928111 (0xFFFF66EF)
YUV	163.3650, 37.2881, 80.3639
Hunter-Lab	60.8233, 74.2743, -40.8387

Details

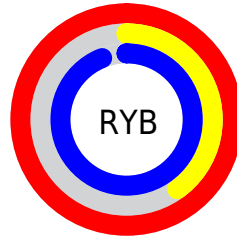
The Yxy color **36.9947, 0.3344, 0.2009** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6511, 0.2976, 0.5059**, and the grayscale version is **36.6073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.2231, 0.3362, 0.1723** is the 20% darker color. If you saturate the color by 10%, you get **32.5730, 0.3385, 0.1867**, and if you desaturate by 10%, it is **42.9564, 0.3302, 0.2187**.

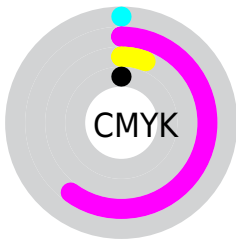
Distribution



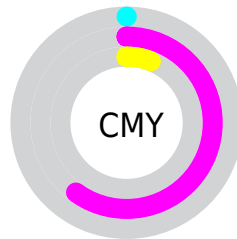
- Red (100%)
- Green (40%)
- Blue (94%)



- Red (100%)
- Yellow (40%)
- Blue (94%)



- Cyan (0%)
- Magenta (60%)
- Yellow (6%)
- Black (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9947, 0.3344, 0.2009 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 36.9947, 0.3344, 0.2009 by changing the saturation by 10% instead.


 36.9947, 0.3344,
0.2009


 36.9947, 0.3344,
0.2009


333.2876, 0.3264,
0.2589


 25.2034, 0.3356,
0.1882


 70.5646, 0.3321,
0.2206

 16.2287, 0.3369,
0.1729


 93.1120, 0.3310,
0.2284

 9.6861, 0.3379,
0.1542


 120.0136, 0.3301,
0.2352

 5.1913, 0.3382,
0.1310

 151.6537, 0.3292,
0.2411

 2.3600, 0.3370,
0.1022

188.4168, 0.3284,
0.2464

 0.8052, 0.3318,
0.0667

230.6872, 0.3277,

 0.0000, 0.3248,

0.2510

0.0000

278.8493, 0.3270,
0.2552

■ 0.0000, 0.2500,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9947, 0.3344,
0.2009

■ 36.9947, 0.3344,
0.2009

■ 32.5730, 0.3385,
0.1867

■ 42.9564, 0.3302,
0.2187

■ 29.5494, 0.3425,
0.1769

■ 50.5906, 0.3261,
0.2391

■ 27.7475, 0.3463,
0.1715

■ 60.0105, 0.3223,
0.2612

■ 26.8820, 0.3497,
0.1700

■ 71.3206, 0.3188,
0.2841

84.6174, 0.3156,
0.3069

99.9909, 0.3127,
0.3290

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.



36.9947, 0.2214, 0.1655



36.9947, 0.3344, 0.2009



36.9947, 0.4652, 0.2598

Triad

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



36.9947, 0.3344, 0.2009



36.9947, 0.4661, 0.4960



36.9947, 0.1245, 0.2573

Complementary

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



36.9947, 0.3344, 0.2009



75.6511, 0.2976, 0.5059

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.



36.9947, 0.1672, 0.3928



36.9947, 0.3344, 0.2009



36.9947, 0.3632, 0.5621

Square

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



36.9947, 0.3344, 0.2009



36.9947, 0.5388, 0.4098



36.9947, 0.2545, 0.5336



36.9947, 0.1216, 0.1840

Rectangle

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



36.9947, 0.3344, 0.2009



36.9947, 0.5286, 0.3066



36.9947, 0.2545, 0.5336



36.9947, 0.1337, 0.2959

Sweetspot

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



36.9932, 0.3344, 0.2009



73.8251, 0.3181, 0.2887



20.5218, 0.2043, 0.1390



15.0294, 0.3191, 0.2820



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.



36.9932, 0.3344, 0.2009



31.8636, 0.3394, 0.1844



33.4112, 0.4228, 0.2685



18.2658, 0.3154, 0.3080



14.0597, 0.3492, 0.1697



1.3780, 0.3455, 0.1677

Inverse Universe

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



36.9932, 0.3344, 0.2009



31.8636, 0.3394, 0.1844



78.2298, 0.2647, 0.4064



18.2658, 0.3154, 0.3080



14.0597, 0.3492, 0.1697



1.3780, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 36.9947, 0.3344, 0.2009 looks on a white background.

Color Contrast Check

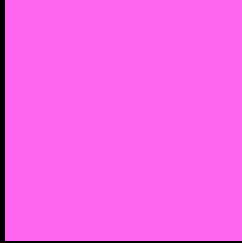
Large Text (above 18pt) WCAG AA × Fail

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 36.9947, 0.3344, 0.2009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

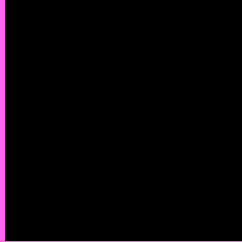
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9947, 0.3344, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 36.9947, 0.3344, 0.2009.

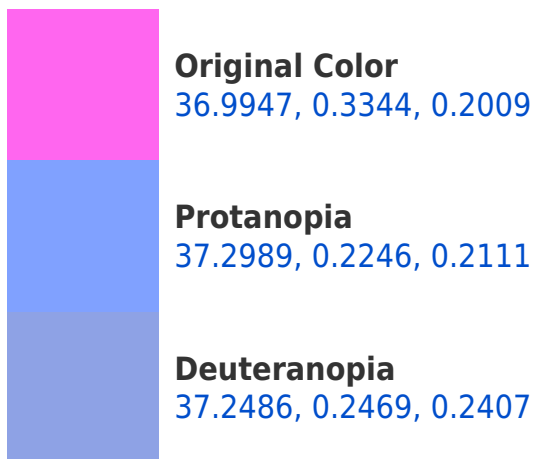


This preview shows how white text looks on a background with the Yxy color 36.9947, 0.3344, 0.2009.

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

36.7686, 0.4324, 0.3196

Trichromacy



Original Color

36.9947, 0.3344, 0.2009



Protanomaly

34.5944, 0.2547, 0.2005



Deuteranomaly

34.7066, 0.2729, 0.2172



Tritanomaly

36.2453, 0.3957, 0.2704

Monochromacy



Original Color

36.9947, 0.3344, 0.2009



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.5471, 0.3207, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9947, 0.3344, 0.2009 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, 102, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 239)  
}
```

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, 102, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 239) }
```

Border

The CSS property to change the border of an element to Yxy 36.9947, 0.3344, 0.2009 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, 102, 239) }
```

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

```
.border{ border-color:rgb(255, 102, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9947, 0.3344, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 239) }
```

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

```
.background{ background-color: rgb(255,  
102, 239) }
```

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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