

Converting Colors

Yxy(36.0414, 0.3347, 0.1975)

Have a look what the booklet for
Yxy(36.0414, 0.3347, 0.1975)
contains.

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Color

Yxy(36.0414, 0.3347, 0.1975)

Conversions

Conversions Part 1

Format	Color
Hex	FF61EF
RGB	255, 97, 239
RGB Percent	100%, 38%, 94%
CMY	0.0002, 0.6194, 0.0629
CMYK	0.00, 0.62, 0.06, 0.00
HSL	306°, 100%, 69%
HSV	306°, 62%, 100%
XYZ	61.0788, 36.0414, 85.3679
YIQ	160.4300, 48.5860, 77.6580

Conversions

Conversions Part 2

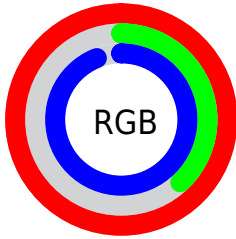
Format	Color
R _{YB}	255, 97, 239
Decimal	16736751
CIE _{Lab}	66.55, 75.65, -42.09
CIE _{LCh}	67, 86.569, 330.909
Y _{xy}	36.0414, 0.3347, 0.1975
Android (android.graphics.Color)	4294926831 (0xFFFF61EF)
Y _{UV}	160.4300, 38.7350, 82.9379
Hunter-Lab	60.0345, 76.5446, -42.2851

Details

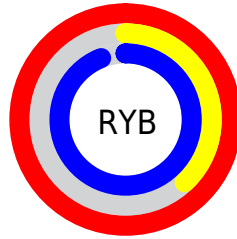
The Yxy color **36.0414, 0.3347, 0.1975** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.2331, 0.2975, 0.5126**, and the grayscale version is **35.1730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **15.6748, 0.3380, 0.1693** is the 20% darker color. If you saturate the color by 10%, you get **31.9094, 0.3387, 0.1841**, and if you desaturate by 10%, it is **41.6925, 0.3306, 0.2147**.

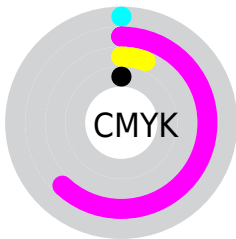
Distribution



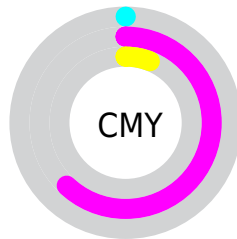
- Red (100%)
- Green (38%)
- Blue (94%)



- Red (100%)
- Yellow (38%)
- Blue (94%)



- Cyan (0%)
- Magenta (62%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0414, 0.3347, 0.1975 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 36.0414, 0.3347, 0.1975 by changing the saturation by 10% instead.


 36.0414, 0.3347,
0.1975


 36.0414, 0.3347,
0.1975


329.1415, 0.3267,
0.2570


 24.4662, 0.3359,
0.1845


 69.0960, 0.3324,
0.2177


 15.6798, 0.3370,
0.1689


 91.3441, 0.3314,
0.2257

 9.2978, 0.3379,
0.1498


 117.9186, 0.3304,
0.2327

 4.9360, 0.3381,
0.1262

 149.2040, 0.3295,
0.2388

 2.2097, 0.3365,
0.0971

185.5846, 0.3287,
0.2441

 0.7253, 0.3306,
0.0611

227.4447, 0.3280,

 0.0000, 0.3204,

0.2489

0.0000

275.1689, 0.3273,
0.2532

■ 0.0000, 0.2399,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0414, 0.3347,
0.1975

■ 36.0414, 0.3347,
0.1975

■ 31.9094, 0.3387,
0.1841

■ 41.6925, 0.3306,
0.2147

■ 29.1406, 0.3426,
0.1750

■ 48.9888, 0.3266,
0.2347

■ 27.5547, 0.3461,
0.1705

■ 58.0488, 0.3228,
0.2566

■ 26.9166, 0.3488,
0.1695

■ 68.9787, 0.3193,
0.2795

 81.8765, 0.3161,
0.3024

 96.8331, 0.3132,
0.3248

99.9925, 0.3127,
0.3290

Harmonies

Analogous

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



36.0414, 0.2186, 0.1615



36.0414, 0.3347, 0.1975



36.0414, 0.4702, 0.2575

Triad

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



36.0414, 0.3347, 0.1975



36.0414, 0.4686, 0.4987



36.0414, 0.1197, 0.2543

Complementary

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



36.0414, 0.3347, 0.1975



75.2331, 0.2975, 0.5126

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.



36.0414, 0.1626, 0.3949



36.0414, 0.3347, 0.1975



36.0414, 0.3627, 0.5695

Square

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



36.0414, 0.3347, 0.1975



36.0414, 0.5445, 0.4096



36.0414, 0.2516, 0.5422



36.0414, 0.1171, 0.1798

Rectangle

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



36.0414, 0.3347, 0.1975



36.0414, 0.5357, 0.3049



36.0414, 0.2516, 0.5422



36.0414, 0.1289, 0.2940

Sweetspot

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



36.0431, 0.3347, 0.1975



72.5757, 0.3183, 0.2862



19.2793, 0.2006, 0.1328



14.7873, 0.3193, 0.2796



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.



36.0431, 0.3347, 0.1975



31.2407, 0.3395, 0.1819



32.3592, 0.4283, 0.2672



18.2668, 0.3154, 0.3079



14.0824, 0.3483, 0.1692



1.3799, 0.3447, 0.1673

Inverse Universe

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



36.0431, 0.3347, 0.1975



31.2407, 0.3395, 0.1819



77.8364, 0.2639, 0.4094



18.2668, 0.3154, 0.3079



14.0824, 0.3483, 0.1692



1.3799, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 36.0414, 0.3347, 0.1975 looks on a white background.

Color Contrast Check

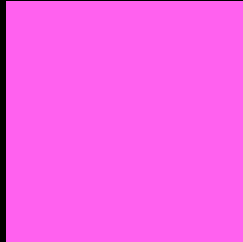
Large Text (above 18pt) WCAG AA × Fail

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 36.0414, 0.3347, 0.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

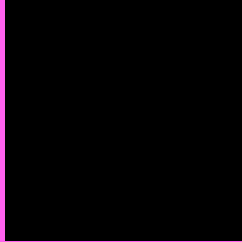
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0414, 0.3347, 0.1975

Background



This preview shows how black text looks on a background with the Yxy color 36.0414, 0.3347, 0.1975.



This preview shows how white text looks on a background with the Yxy color 36.0414, 0.3347, 0.1975.

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

36.0414, 0.3347, 0.1975

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.2020, 0.2438, 0.2373



Tritanopia

35.9041, 0.4376, 0.3197

Trichromacy



Original Color

36.0414, 0.3347, 0.1975



Protanomaly

33.2185, 0.2526, 0.1955



Deuteranomaly

33.5983, 0.2709, 0.2131



Tritanomaly

35.2351, 0.3993, 0.2686

Monochromacy



Original Color

36.0414, 0.3347, 0.1975



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1675, 0.3220, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0414, 0.3347, 0.1975 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, 97, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 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, 97, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 239) }
```

Border

The CSS property to change the border of an element to Yxy 36.0414, 0.3347, 0.1975 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, 97, 239) }
```

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

```
.border{ border-color:rgb(255, 97, 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, 97, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0414, 0.3347, 0.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 239) }
```

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

```
.background{ background-color: rgb(255, 97,  
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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