

Converting Colors

$Yxy(65.5846, 0.4227, 0.2336)$

Have a look what the booklet for
Yxy(65.5846, 0.4227, 0.2336)
contains.

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Color

Yxy(36.7115, 0.3241, 0.1895)

Conversions

Conversions Part 1

Format	Color
Hex	FF61FA
RGB	255, 97, 250
RGB Percent	100%, 38%, 98%
CMY	0.0000, 0.6198, 0.0196
CMYK	0.00, 0.62, 0.02, 0.00
HSL	302°, 100%, 69%
HSV	302°, 62%, 100%
XYZ	62.7873, 36.7115, 94.2294
YIQ	161.6840, 45.0550, 81.0790

Conversions

Conversions Part 2

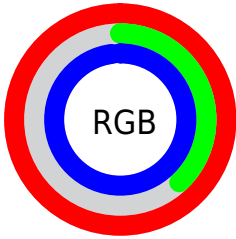
Format	Color
R _Y B	255, 97, 250
Decimal	16736762
CIE Lab	67.06, 77.44, -47.39
CIE LCh	67, 90.789, 328.538
Yxy	36.7115, 0.3241, 0.1895
Android (android.graphics.Color)	4294926842 (0xFFFF61FA)
YUV	161.6840, 43.5398, 81.8381
Hunter-Lab	60.5900, 78.9408, -49.7946

Details

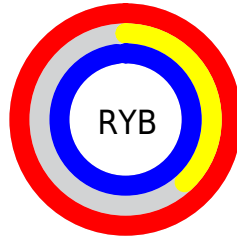
The Yxy color **36.7115, 0.3241, 0.1895** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.0162, 0.3016, 0.5251**, and the grayscale version is **35.7370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **16.1056, 0.3232, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **32.6757, 0.3257, 0.1755**, and if you desaturate by 10%, it is **42.2418, 0.3222, 0.2074**.

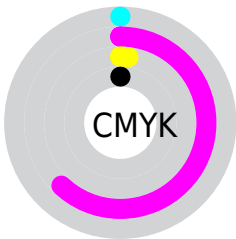
Distribution



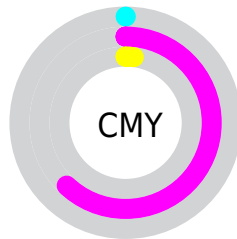
- Red (100%)
- Green (38%)
- Blue (98%)



- Red (100%)
- Yellow (38%)
- Blue (98%)



- Cyan (0%)
- Magenta (62%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7115, 0.3241, 0.1895 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 36.7115, 0.3241, 0.1895 by changing the saturation by 10% instead.


 36.7115, 0.3241,
0.1895

 36.7115, 0.3241,
0.1895


332.0598, 0.3218,
0.2517

 24.9842, 0.3239,
0.1762


 70.1288, 0.3239,
0.2104


 16.0653, 0.3232,
0.1603


 92.5877, 0.3237,
0.2188

 9.5704, 0.3216,
0.1411


 119.3925, 0.3234,
0.2260

 5.1150, 0.3186,
0.1177

 150.9276, 0.3230,
0.2324

 2.3149, 0.3125,
0.0894

187.5776, 0.3227,
0.2381

 0.7816, 0.3005,
0.0559

229.7266, 0.3224,

 0.0000, 0.2812,

0.2431

0.0000

277.7592, 0.3221,
0.2477

■ 0.0000, 0.2102,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7115, 0.3241,
0.1895

■ 36.7115, 0.3241,
0.1895

■ 32.6757, 0.3257,
0.1755

■ 42.2418, 0.3222,
0.2074

■ 30.0120, 0.3271,
0.1658

■ 49.4265, 0.3203,
0.2284


■ 28.5286, 0.3283,
0.1604

■ 58.3730, 0.3184,
0.2515

■ 27.9726, 0.3291,
0.1587

■ 69.1876, 0.3165,
0.2758

 81.9682, 0.3147,
0.3003

 96.8060, 0.3130,
0.3243

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.



36.7115, 0.2077, 0.1551



36.7115, 0.3241, 0.1895



36.7115, 0.4663, 0.2491

Triad

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



36.7115, 0.3241, 0.1895



36.7115, 0.4791, 0.4944



36.7115, 0.1158, 0.2594

Complementary

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



36.7115, 0.3241, 0.1895



75.0162, 0.3016, 0.5251

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.



36.7115, 0.1626, 0.4111



36.7115, 0.3241, 0.1895



36.7115, 0.3708, 0.5748

Square

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



36.7115, 0.3241, 0.1895



36.7115, 0.5552, 0.4023



36.7115, 0.2565, 0.5606



36.7115, 0.1108, 0.1785

Rectangle

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



36.7115, 0.3241, 0.1895



36.7115, 0.5386, 0.2969



36.7115, 0.2565, 0.5606



36.7115, 0.1260, 0.3025

Sweetspot

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



36.7019, 0.3240, 0.1895



72.7898, 0.3160, 0.2831



18.4443, 0.1929, 0.1293



14.8399, 0.3165, 0.2761



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.



36.7019, 0.3240, 0.1895



32.0340, 0.3260, 0.1731



32.8292, 0.4110, 0.2542



18.2899, 0.3143, 0.3063



14.6207, 0.3290, 0.1586



1.4266, 0.3280, 0.1580

Inverse Universe

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



36.7019, 0.3240, 0.1895



32.0340, 0.3260, 0.1731



77.2971, 0.2697, 0.4274



18.2899, 0.3143, 0.3063



14.6207, 0.3290, 0.1586



1.4266, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 36.7115, 0.3241, 0.1895 looks on a white background.

Color Contrast Check

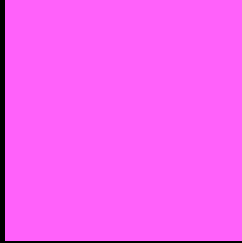
Large Text (above 18pt) WCAG AA × Fail

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 36.7115, 0.3241, 0.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

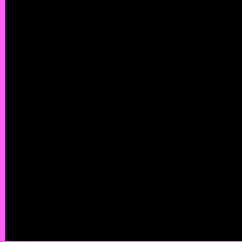
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7115, 0.3241, 0.1895

Background



This preview shows how black text looks on a background with the Yxy color 36.7115, 0.3241, 0.1895.



This preview shows how white text looks on a background with the Yxy color 36.7115, 0.3241, 0.1895.

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

36.7115, 0.3241, 0.1895

Protanopia

37.2218, 0.2241, 0.2109

Deuteranopia

36.8980, 0.2344, 0.2284



Tritanopia

36.4127, 0.4305, 0.3195

Trichromacy



Original Color

36.7115, 0.3241, 0.1895



Protanomaly

34.2675, 0.2519, 0.1950



Deuteranomaly

33.8781, 0.2599, 0.2040



Tritanomaly

35.7514, 0.3905, 0.2641

Monochromacy



Original Color

36.7115, 0.3241, 0.1895



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

33.8078, 0.3180, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7115, 0.3241, 0.1895 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 250) }
```

Border

The CSS property to change the border of an element to Yxy 36.7115, 0.3241, 0.1895 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, 250) }
```

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

```
.border{ border-color:rgb(255, 97, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7115, 0.3241, 0.1895 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, 250) }
```

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

```
.background{ background-color: rgb(255, 97,  
250) }
```

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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