

Converting Colors

$Yxy(36.8181, 0.3372, 0.2031)$

Have a look what the booklet for
Yxy(36.8181, 0.3372, 0.2031)
contains.

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Color

Yxy(36.8189, 0.3374, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	FF66EC
RGB	255, 102, 236
RGB Percent	100%, 40%, 93%
CMY	0.0000, 0.6000, 0.0745
CMYK	0.00, 0.60, 0.07, 0.00
HSL	307°, 100%, 70%
HSV	307°, 60%, 100%
XYZ	61.1353, 36.8189, 83.2412
YIQ	163.0230, 48.1740, 74.1100

Conversions

Conversions Part 2

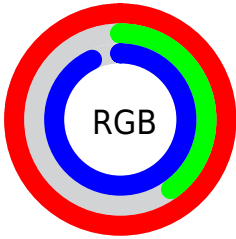
Format	Color
R _Y B	255, 102, 236
Decimal	16738028
CIE Lab	67.14, 73.24, -39.53
CIE LCh	67, 83.227, 331.643
Yxy	36.8189, 0.3374, 0.2032
Android (android.graphics.Color)	4294928108 (0xFFFF66EC)
YUV	163.0230, 35.9777, 80.6638
Hunter-Lab	60.6786, 73.6561, -38.8612

Details

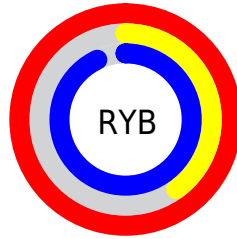
The Yxy color **36.8189, 0.3374, 0.2032** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.7248, 0.2964, 0.5023**, and the grayscale version is **36.4452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **16.1591, 0.3404, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **32.3710, 0.3423, 0.1893**, and if you desaturate by 10%, it is **42.8087, 0.3325, 0.2207**.

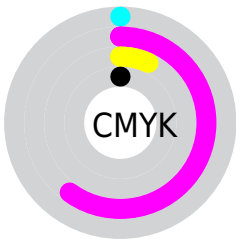
Distribution



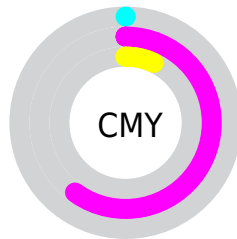
- Red (100%)
- Green (40%)
- Blue (93%)



- Red (100%)
- Yellow (40%)
- Blue (93%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8189, 0.3374, 0.2032 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 36.8189, 0.3374, 0.2032 by changing the saturation by 10% instead.

 36.8189, 0.3374,
0.2032


 36.8189, 0.3374,
0.2032

332.5258, 0.3278,
0.2604


 25.0673, 0.3391,
0.1906


 70.2942, 0.3345,
0.2227

 16.1272, 0.3408,
0.1754


 92.7866, 0.3332,
0.2304

 9.6142, 0.3425,
0.1568


 119.6282, 0.3321,
0.2371

 5.1439, 0.3439,
0.1336

 151.2032, 0.3311,
0.2429

 2.3320, 0.3441,
0.1046

187.8960, 0.3301,
0.2481

 0.7905, 0.3409,
0.0685

230.0912, 0.3293,

 0.0000, 0.3373,

0.2527

0.0000

278.1730, 0.3285,
0.2567

■ 0.0000, 0.2603,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8189, 0.3374,
0.2032

■ 36.8189, 0.3374,
0.2032

■ 32.3710, 0.3423,
0.1893

■ 42.8087, 0.3325,
0.2207

■ 29.3217, 0.3470,
0.1796

■ 50.4716, 0.3279,
0.2408

■ 27.4951, 0.3515,
0.1745

■ 59.9212, 0.3235,
0.2626

■ 26.6058, 0.3557,
0.1733

■ 71.2620, 0.3195,
0.2850

84.5905, 0.3159,
0.3073

99.9966, 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.



36.8189, 0.2246, 0.1674



36.8189, 0.3374, 0.2032



36.8189, 0.4663, 0.2622

Triad

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



36.8189, 0.3374, 0.2032



36.8189, 0.4630, 0.4970



36.8189, 0.1256, 0.2559

Complementary

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



36.8189, 0.3374, 0.2032



75.7248, 0.2964, 0.5023

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.



36.8189, 0.1671, 0.3884



36.8189, 0.3374, 0.2032



36.8189, 0.3607, 0.5604

Square

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



36.8189, 0.3374, 0.2032



36.8189, 0.5357, 0.4118



36.8189, 0.2530, 0.5284



36.8189, 0.1234, 0.1843

Rectangle

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



36.8189, 0.3374, 0.2032



36.8189, 0.5278, 0.3089



36.8189, 0.2530, 0.5284



36.8189, 0.1345, 0.2935

Sweetspot

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



36.8179, 0.3374, 0.2032



73.7683, 0.3187, 0.2895



20.7037, 0.2059, 0.1397



15.0154, 0.3198, 0.2830



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.



36.8179, 0.3374, 0.2032



31.6552, 0.3432, 0.1870



33.3225, 0.4262, 0.2710



18.2592, 0.3157, 0.3084



13.9174, 0.3550, 0.1729



1.3655, 0.3506, 0.1705

Inverse Universe

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



36.8179, 0.3374, 0.2032



31.6552, 0.3432, 0.1870



78.3459, 0.2635, 0.4029



18.2592, 0.3157, 0.3084



13.9174, 0.3550, 0.1729



1.3655, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 36.8189, 0.3374, 0.2032 looks on a white background.

Color Contrast Check

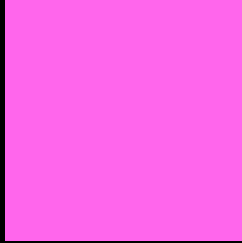
Large Text (above 18pt) WCAG AA × Fail

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 36.8189, 0.3374, 0.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

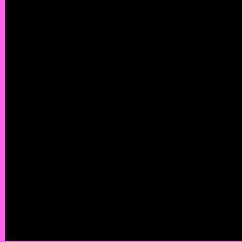
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8189, 0.3374, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 36.8189, 0.3374, 0.2032.



This preview shows how white text looks on a background with the Yxy color 36.8189, 0.3374, 0.2032.

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

36.8189, 0.3374, 0.2032

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.1713, 0.2494, 0.2441



Tritanopia

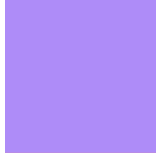
36.5064, 0.4329, 0.3186

Trichromacy



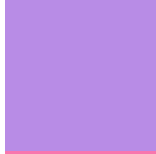
Original Color

36.8189, 0.3374, 0.2032



Protanomaly

34.5321, 0.2553, 0.2014



Deuteranomaly

34.6597, 0.2760, 0.2203



Tritanomaly

36.2061, 0.3969, 0.2714

Monochromacy



Original Color

36.8189, 0.3374, 0.2032



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.5032, 0.3217, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8189, 0.3374, 0.2032 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 236) }
```

Border

The CSS property to change the border of an element to Yxy 36.8189, 0.3374, 0.2032 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, 236) }
```

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

```
.border{ border-color:rgb(255, 102, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8189, 0.3374, 0.2032 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
102, 236) }
```

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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