

Converting Colors

Yxy(46.3632, 0.3817, 0.2197)

Have a look what the booklet for
Yxy(46.3632, 0.3817, 0.2197)
contains.

Yxy(36.2398, 0.3376, 0.2011)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.2398, 0.3376, 0.2011)

Conversions

Conversions Part 1

Format	Color
Hex	FF63EC
RGB	255, 99, 236
RGB Percent	100%, 39%, 93%
CMY	0.0000, 0.6117, 0.0746
CMYK	0.00, 0.61, 0.07, 0.00
HSL	307°, 100%, 69%
HSV	307°, 61%, 100%
XYZ	60.8382, 36.2398, 83.1299
YIQ	161.2620, 48.9990, 75.6790

Conversions

Conversions Part 2

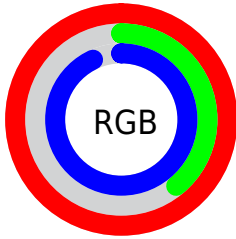
Format	Color
R _Y B	255, 99, 236
Decimal	16737260
CIE Lab	66.70, 74.43, -40.20
CIE LCh	67, 84.593, 331.624
Yxy	36.2398, 0.3376, 0.2011
Android (android.graphics.Color)	4294927340 (0xFFFF63EC)
YUV	161.2620, 36.8458, 82.2082
Hunter-Lab	60.1995, 75.0446, -39.7343

Details

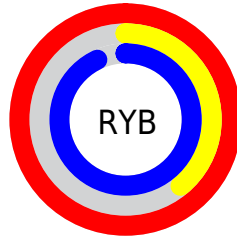
The Yxy color **36.2398, 0.3376, 0.2011** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.4796, 0.2964, 0.5064**, and the grayscale version is **35.5804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **15.8259, 0.3406, 0.1727** is the 20% darker color. If you saturate the color by 10%, you get **31.9687, 0.3424, 0.1876**, and if you desaturate by 10%, it is **42.0422, 0.3328, 0.2183**.

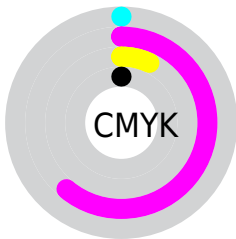
Distribution



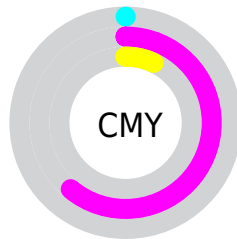
- Red (100%)
- Green (39%)
- Blue (93%)



- Red (100%)
- Yellow (39%)
- Blue (93%)



- Cyan (0%)
- Magenta (61%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2398, 0.3376, 0.2011 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 36.2398, 0.3376, 0.2011 by changing the saturation by 10% instead.

 36.2398, 0.3376,
0.2011


 36.2398, 0.3376,
0.2011


330.0075, 0.3280,
0.2593


 24.6195, 0.3392,
0.1883


 69.4020, 0.3347,
0.2209


 15.7938, 0.3410,
0.1729


 91.7127, 0.3334,
0.2287

 9.3783, 0.3426,
0.1540


 118.3556, 0.3323,
0.2355

 4.9888, 0.3438,
0.1306

 149.7151, 0.3313,
0.2415

 2.2407, 0.3438,
0.1014

186.1757, 0.3303,
0.2467

 0.7420, 0.3402,
0.0649

228.1217, 0.3295,

 0.0000, 0.3346,

0.2514

0.0000

275.9375, 0.3287,
0.2555

0.0000, 0.2537,
0.0000

0.0000, 0.0000,
0.0000

36.2398, 0.3376,
0.2011

36.2398, 0.3376,
0.2011

31.9687, 0.3424,
0.1876

42.0422, 0.3328,
0.2183

29.0746, 0.3470,
0.1784

49.5005, 0.3282,
0.2382


27.3800, 0.3514,
0.1738

58.7325, 0.3238,
0.2598

26.6360, 0.3550,
0.1729

69.8438, 0.3198,
0.2823

 82.9317, 0.3162,
0.3047

 98.0868, 0.3131,
0.3265

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



36.2398, 0.2228, 0.1649



36.2398, 0.3376, 0.2011



36.2398, 0.4694, 0.2608

Triad

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



36.2398, 0.3376, 0.2011



36.2398, 0.4646, 0.4988



36.2398, 0.1227, 0.2540

Complementary

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



36.2398, 0.3376, 0.2011



75.4796, 0.2964, 0.5064

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.



36.2398, 0.1644, 0.3896



36.2398, 0.3376, 0.2011



36.2398, 0.3605, 0.5650

Square

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



36.2398, 0.3376, 0.2011



36.2398, 0.5393, 0.4118



36.2398, 0.2512, 0.5336



36.2398, 0.1206, 0.1817

Rectangle

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



36.2398, 0.3376, 0.2011



36.2398, 0.5322, 0.3079



36.2398, 0.2512, 0.5336



36.2398, 0.1316, 0.2924

Sweetspot

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



36.2415, 0.3376, 0.2011



73.7748, 0.3186, 0.2894



19.9441, 0.2037, 0.1360



15.0170, 0.3197, 0.2829



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.



36.2415, 0.3376, 0.2011



31.3414, 0.3433, 0.1856



32.6831, 0.4296, 0.2703



18.2600, 0.3157, 0.3084



13.9335, 0.3544, 0.1726



1.3669, 0.3500, 0.1702

Inverse Universe

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



36.2415, 0.3376, 0.2011



31.3414, 0.3433, 0.1856



78.1202, 0.2630, 0.4047



18.2600, 0.3157, 0.3084



13.9335, 0.3544, 0.1726



1.3669, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 36.2398, 0.3376, 0.2011 looks on a white background.

Color Contrast Check

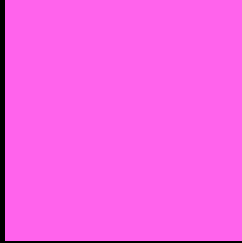
Large Text (above 18pt) WCAG AA × Fail

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 36.2398, 0.3376, 0.2011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

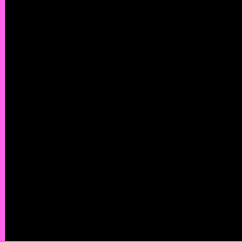
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2398, 0.3376, 0.2011

Background



This preview shows how black text looks on a background with the Yxy color 36.2398, 0.3376, 0.2011.

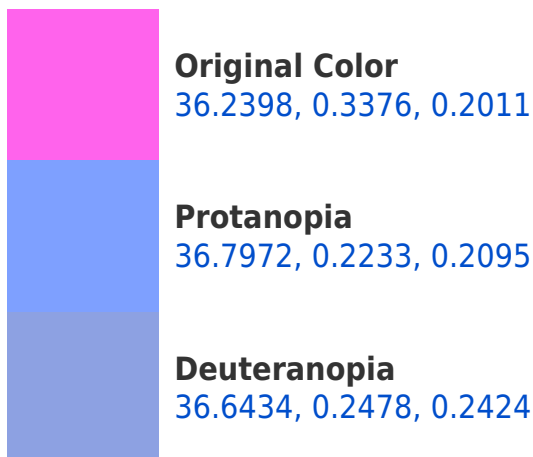


This preview shows how white text looks on a background with the Yxy color 36.2398, 0.3376, 0.2011.

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

35.9041, 0.4376, 0.3197

Trichromacy



Original Color

36.2398, 0.3376, 0.2011



Protanomaly

33.8385, 0.2543, 0.1989



Deuteranomaly

33.8352, 0.2741, 0.2174



Tritanomaly

35.4258, 0.4002, 0.2706

Monochromacy



Original Color

36.2398, 0.3376, 0.2011



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.4099, 0.3229, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2398, 0.3376, 0.2011 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, 99, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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, 99, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 236) }
```

Border

The CSS property to change the border of an element to Yxy 36.2398, 0.3376, 0.2011 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, 99, 236) }
```

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

```
.border{ border-color:rgb(255, 99, 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, 99, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2398, 0.3376, 0.2011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 236) }
```

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

```
.background{ background-color: rgb(255, 99,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor