

Converting Colors

$Y_{xy}(36.6320, 0.3481, 0.2118)$

Have a look what the booklet for
Yxy(36.6320, 0.3481, 0.2118)
contains.

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Color

Yxy(36.4515, 0.3476, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	FF67E2
RGB	255, 103, 226
RGB Percent	100%, 40%, 89%
CMY	0.0000, 0.5961, 0.1138
CMYK	0.00, 0.60, 0.11, 0.00
HSL	311°, 100%, 70%
HSV	311°, 60%, 100%
XYZ	59.8231, 36.4515, 75.8288
YIQ	162.4700, 51.1090, 70.4770

Conversions

Conversions Part 2

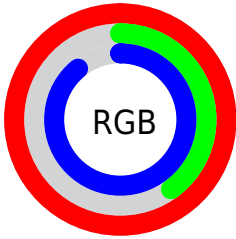
Format	Color
R_{YB}	255, 103, 226
Decimal	16738274
CIE _{Lab}	66.86, 71.33, -34.41
CIE _{LCh}	67, 79.192, 334.246
Yxy	36.4515, 0.3476, 0.2118
Android (android.graphics.Color)	4294928354 (0xFFFF67E2)
YUV	162.4700, 31.3203, 81.1488
Hunter-Lab	60.3751, 71.2118, -32.2034

Details

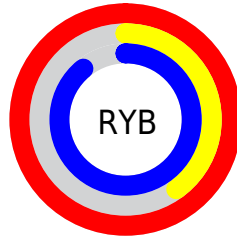
The Yxy color **36.4515, 0.3476, 0.2118** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.0687, 0.2923, 0.4886**, and the grayscale version is **36.1909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **15.8906, 0.3548, 0.1851** is the 20% darker color. If you saturate the color by 10%, you get **31.8635, 0.3551, 0.1985**, and if you desaturate by 10%, it is **42.5875, 0.3403, 0.2285**.

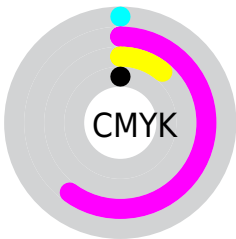
Distribution



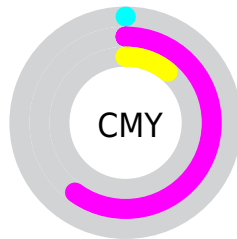
- Red (100%)
- Green (40%)
- Blue (89%)



- Red (100%)
- Yellow (40%)
- Blue (89%)



- Cyan (0%)
- Magenta (60%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4515, 0.3476, 0.2118 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 36.4515, 0.3476, 0.2118 by changing the saturation by 10% instead.


 36.4515, 0.3476,
0.2118


 36.4515, 0.3476,
0.2118


330.9297, 0.3324,
0.2658


 24.7831, 0.3507,
0.1997


 69.7284, 0.3426,
0.2304


 15.9155, 0.3544,
0.1850


 92.1056, 0.3405,
0.2377

 9.4644, 0.3587,
0.1667


 118.8213, 0.3388,
0.2440

 5.0453, 0.3637,
0.1437

 150.2598, 0.3372,
0.2495

 2.2739, 0.3691,
0.1143

186.8055, 0.3358,
0.2543

 0.7598, 0.3741,
0.0763

228.8428, 0.3345,

 0.0000, 0.3858,

0.2586

0.0000

276.7560, 0.3334,
0.2624

■ 0.0000, 0.3039,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4515, 0.3476,
0.2118

■ 36.4515, 0.3476,
0.2118

■ 31.8635, 0.3551,
0.1985

■ 42.5875, 0.3403,
0.2285

■ 28.6863, 0.3627,
0.1895

■ 50.4074, 0.3335,
0.2476


■ 26.7436, 0.3700,
0.1852

■ 60.0226, 0.3272,
0.2681

■ 25.7634, 0.3770,
0.1851

■ 71.5374, 0.3217,
0.2890

 25.7328, 0.3772,
0.1852

 85.0480, 0.3168,
0.3098

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.



36.4515, 0.2361, 0.1746



36.4515, 0.3476, 0.2118



36.4515, 0.4689, 0.2709

Triad

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



36.4515, 0.3476, 0.2118



36.4515, 0.4518, 0.4995



36.4515, 0.1302, 0.2515

Complementary

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



36.4515, 0.3476, 0.2118



76.0687, 0.2923, 0.4886

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.



36.4515, 0.1677, 0.3735



36.4515, 0.3476, 0.2118



36.4515, 0.3520, 0.5524

Square

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



36.4515, 0.3476, 0.2118



36.4515, 0.5242, 0.4185



36.4515, 0.2481, 0.5093



36.4515, 0.1306, 0.1862

Rectangle

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



36.4515, 0.3476, 0.2118



36.4515, 0.5237, 0.3172



36.4515, 0.2481, 0.5093



36.4515, 0.1380, 0.2859

Sweetspot

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



36.4487, 0.3476, 0.2118



73.5787, 0.3208, 0.2924



21.7320, 0.2134, 0.1439



14.9685, 0.3224, 0.2863



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.



36.4487, 0.3476, 0.2118



30.9830, 0.3569, 0.1960



33.1965, 0.4384, 0.2816



18.2374, 0.3167, 0.3100



13.4672, 0.3761, 0.1846



1.3258, 0.3686, 0.1804

Inverse Universe

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



36.4487, 0.3476, 0.2118



30.9830, 0.3569, 0.1960



78.9011, 0.2592, 0.3889



18.2374, 0.3167, 0.3100



13.4672, 0.3761, 0.1846



1.3258, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 36.4515, 0.3476, 0.2118 looks on a white background.

Color Contrast Check

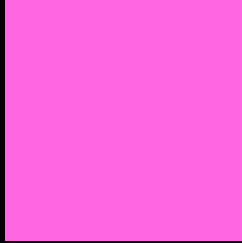
Large Text (above 18pt) WCAG AA × Fail

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 36.4515, 0.3476, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

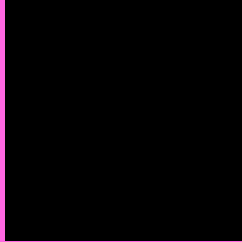
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4515, 0.3476, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 36.4515, 0.3476, 0.2118.

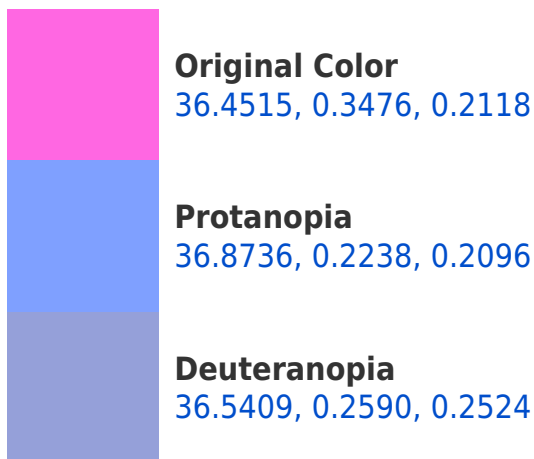


This preview shows how white text looks on a background with the Yxy color 36.4515, 0.3476, 0.2118.

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

36.2638, 0.4395, 0.3198

Trichromacy



Original Color

36.4515, 0.3476, 0.2118



Protanomaly

33.9956, 0.2578, 0.2037



Deuteranomaly

34.3239, 0.2873, 0.2299



Tritanomaly

35.9238, 0.4055, 0.2769

Monochromacy



Original Color

36.4515, 0.3476, 0.2118



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.2883, 0.3266, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4515, 0.3476, 0.2118 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, 103, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 226)  
}
```

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, 103, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 226) }
```

Border

The CSS property to change the border of an element to Yxy 36.4515, 0.3476, 0.2118 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, 103, 226) }
```

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

```
.border{ border-color:rgb(255, 103, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4515, 0.3476, 0.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 226) }
```

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

```
.background{ background-color: rgb(255,  
103, 226) }
```

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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