

Converting Colors

Yxy(42.0953, 0.3667, 0.2169)

Have a look what the booklet for
Yxy(42.0953, 0.3667, 0.2169)
contains.

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Color

Yxy(36.5889, 0.3414, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	FF66E8
RGB	255, 102, 232
RGB Percent	100%, 40%, 91%
CMY	0.0001, 0.5999, 0.0902
CMYK	0.00, 0.60, 0.09, 0.00
HSL	309°, 100%, 70%
HSV	309°, 60%, 100%
XYZ	60.5499, 36.5889, 80.2189
YIQ	162.5670, 49.4580, 72.8660

Conversions

Conversions Part 2

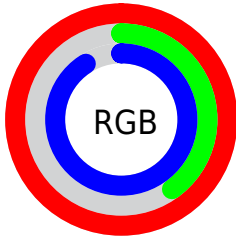
Format	Color
R _Y B	255, 102, 232
Decimal	16738024
CIE Lab	66.97, 72.61, -37.59
CIE LCh	67, 81.759, 332.630
Yxy	36.5889, 0.3414, 0.2063
Android (android.graphics.Color)	4294928104 (0xFFFF66E8)
YUV	162.5670, 34.2305, 81.0637
Hunter-Lab	60.4888, 72.8252, -36.2870

Details

The Yxy color **36.5889, 0.3414, 0.2063** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.8105, 0.2948, 0.4974**, and the grayscale version is **36.2351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.9984, 0.3461, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **32.1092, 0.3473, 0.1927**, and if you desaturate by 10%, it is **42.6175, 0.3356, 0.2235**.

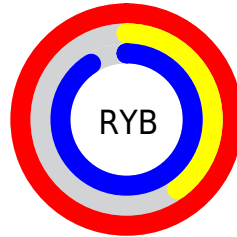
Distribution



Red (100%)

Green (40%)

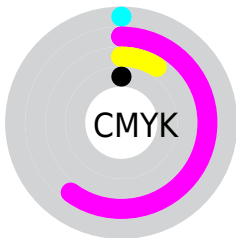
Blue (91%)



Red (100%)

Yellow (40%)

Blue (91%)

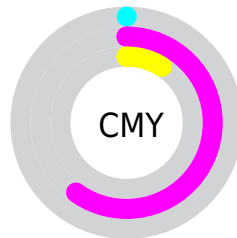


Cyan (0%)

Magenta (60%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5889, 0.3414, 0.2063 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 36.5889, 0.3414, 0.2063 by changing the saturation by 10% instead.

 36.5889, 0.3414,
0.2063


 36.5889, 0.3414,
0.2063


331.5272, 0.3296,
0.2624


 24.8894, 0.3436,
0.1939


 69.9401, 0.3377,
0.2255


 15.9946, 0.3461,
0.1788


 92.3605, 0.3361,
0.2331

 9.5204, 0.3488,
0.1603


 119.1233, 0.3347,
0.2396

 5.0821, 0.3515,
0.1371

 150.6129, 0.3335,
0.2453

 2.2955, 0.3536,
0.1079

187.2137, 0.3324,
0.2504

 0.7713, 0.3534,
0.0709

229.3101, 0.3314,

 0.0000, 0.3550,

0.2548

0.0000

277.2865, 0.3304,
0.2588

■ 0.0000, 0.2745,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5889, 0.3414,
0.2063

■ 36.5889, 0.3414,
0.2063

■ 32.1092, 0.3473,
0.1927

■ 42.6175, 0.3356,
0.2235

■ 29.0267, 0.3531,
0.1833


■ 50.3176, 0.3301,
0.2432


■ 27.1684, 0.3586,
0.1785

■ 59.8058, 0.3250,
0.2644

■ 26.2496, 0.3638,
0.1778

■ 71.1864, 0.3204,
0.2863

 26.2483, 0.3638,
0.1778

 84.5559, 0.3163,
0.3080

99.9937, 0.3127,
0.3290

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



36.5889, 0.2288, 0.1699



36.5889, 0.3414, 0.2063



36.5889, 0.4677, 0.2655

Triad

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



36.5889, 0.3414, 0.2063



36.5889, 0.4589, 0.4983



36.5889, 0.1271, 0.2539

Complementary

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



36.5889, 0.3414, 0.2063



75.8105, 0.2948, 0.4974

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.



36.5889, 0.1671, 0.3826



36.5889, 0.3414, 0.2063



36.5889, 0.3573, 0.5579

Square

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



36.5889, 0.3414, 0.2063



36.5889, 0.5317, 0.4145



36.5889, 0.2509, 0.5215



36.5889, 0.1259, 0.1848

Rectangle

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



36.5889, 0.3414, 0.2063



36.5889, 0.5267, 0.3120



36.5889, 0.2509, 0.5215



36.5889, 0.1356, 0.2904

Sweetspot

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



36.5906, 0.3414, 0.2063



73.6940, 0.3195, 0.2906



21.0854, 0.2093, 0.1412



14.9970, 0.3208, 0.2843



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.



36.5906, 0.3414, 0.2063



31.3872, 0.3485, 0.1904



33.1496, 0.4328, 0.2762



18.2507, 0.3161, 0.3090



13.7363, 0.3630, 0.1774



1.3496, 0.3574, 0.1743

Inverse Universe

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



36.5906, 0.3414, 0.2063



31.3872, 0.3485, 0.1904



78.5678, 0.2613, 0.3961



18.2507, 0.3161, 0.3090



13.7363, 0.3630, 0.1774



1.3496, 0.3574, 0.1743

Previews

White Background



This preview shows how the Yxy color 36.5889, 0.3414, 0.2063 looks on a white background.

Color Contrast Check

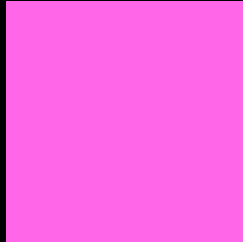
Large Text (above 18pt) WCAG AA × Fail

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 36.5889, 0.3414, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

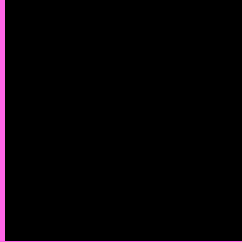
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5889, 0.3414, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 36.5889, 0.3414, 0.2063.

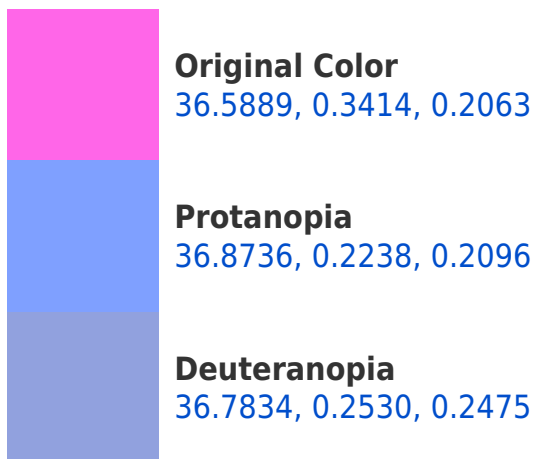


This preview shows how white text looks on a background with the Yxy color 36.5889, 0.3414, 0.2063.

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

36.3688, 0.4368, 0.3197

Trichromacy



Original Color

36.5889, 0.3414, 0.2063



Protanomaly

34.1793, 0.2558, 0.2011



Deuteranomaly

34.5614, 0.2799, 0.2244



Tritanomaly

36.0369, 0.4019, 0.2738

Monochromacy



Original Color

36.5889, 0.3414, 0.2063



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.4164, 0.3236, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5889, 0.3414, 0.2063 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 232) }
```

Border

The CSS property to change the border of an element to Yxy 36.5889, 0.3414, 0.2063 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, 232) }
```

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

```
.border{ border-color:rgb(255, 102, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5889, 0.3414, 0.2063 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
102, 232) }
```

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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