

Converting Colors

$Y_{xy}(36.1377, 0.3633, 0.2260)$

Have a look what the booklet for
Yxy(36.1377, 0.3633, 0.2260)
contains.

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Color

Yxy(36.0663, 0.3636, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	FF69D3
RGB	255, 105, 211
RGB Percent	100%, 41%, 83%
CMY	0.0000, 0.5882, 0.1725
CMYK	0.00, 0.59, 0.17, 0.00
HSL	318°, 100%, 71%
HSV	318°, 59%, 100%
XYZ	58.0509, 36.0663, 65.5388
YIQ	161.9340, 55.3740, 64.7660

Conversions

Conversions Part 2

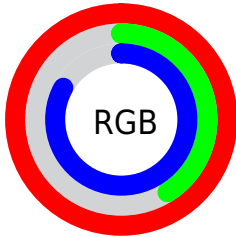
Format	Color
R_{YB}	255, 105, 211
Decimal	16738771
CIE _{Lab}	66.57, 68.31, -26.50
CIE _{LCh}	67, 73.276, 338.796
Yxy	36.0663, 0.3636, 0.2259
Android (android.graphics.Color)	4294928851 (0xFFFF69D3)
YUV	161.9340, 24.1895, 81.6189
Hunter-Lab	60.0552, 67.4461, -22.6651

Details

The Yxy color **36.0663, 0.3636, 0.2259** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.6931, 0.2858, 0.4663**, and the grayscale version is **35.9653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **15.6583, 0.3765, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **31.2624, 0.3757, 0.2139**, and if you desaturate by 10%, it is **42.4474, 0.3522, 0.2411**.

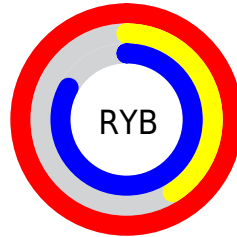
Distribution



Red (100%)

Green (41%)

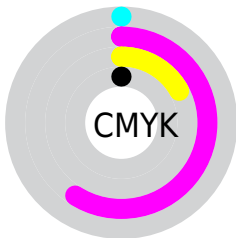
Blue (83%)



Red (100%)

Yellow (41%)

Blue (83%)

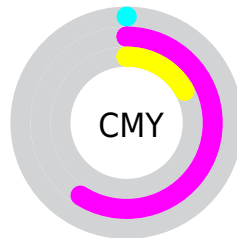


Cyan (0%)

Magenta (59%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0663, 0.3636, 0.2259 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 36.0663, 0.3636, 0.2259 by changing the saturation by 10% instead.

 36.0663, 0.3636,
0.2259


 36.0663, 0.3636,
0.2259


329.2502, 0.3395,
0.2745

 24.4854, 0.3692,
0.2147


 69.1344, 0.3552,
0.2428


 15.6941, 0.3760,
0.2010


 91.3904, 0.3519,
0.2494

 9.3079, 0.3848,
0.1836


 117.9735, 0.3491,
0.2550

 4.9426, 0.3961,
0.1612

 149.2682, 0.3467,
0.2599

 2.2136, 0.4111,
0.1317

185.6588, 0.3446,
0.2642

 0.7274, 0.4321,
0.0910

227.5297, 0.3427,

 0.0000, 0.4787,

0.2680

0.0000

275.2654, 0.3410,
0.2714

■ 0.0000, 0.5209,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0663, 0.3636,
0.2259

■ 36.0663, 0.3636,
0.2259

■ 31.2624, 0.3757,
0.2139

■ 42.4474, 0.3522,
0.2411

■ 27.8869, 0.3883,
0.2061


■ 50.5276, 0.3419,
0.2584

■ 25.7706, 0.4008,
0.2033

■ 60.4219, 0.3327,
0.2768

■ 24.6656, 0.4128,
0.2052

■ 72.2340, 0.3247,
0.2953

 24.5643, 0.4142,
0.2056

 86.0598, 0.3179,
0.3136

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.



36.0663, 0.2550, 0.1865



36.0663, 0.3636, 0.2259



36.0663, 0.4722, 0.2851

Triad

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



36.0663, 0.3636, 0.2259



36.0663, 0.4333, 0.5018



36.0663, 0.1378, 0.2450

Complementary

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



36.0663, 0.3636, 0.2259



76.6931, 0.2858, 0.4663

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.



36.0663, 0.1687, 0.3512



36.0663, 0.3636, 0.2259



36.0663, 0.3373, 0.5371

Square

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



36.0663, 0.3636, 0.2259



36.0663, 0.5055, 0.4288



36.0663, 0.2401, 0.4788



36.0663, 0.1427, 0.1893

Rectangle

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



36.0663, 0.3636, 0.2259



36.0663, 0.5166, 0.3304



36.0663, 0.2401, 0.4788



36.0663, 0.1438, 0.2748

Sweetspot

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



36.0678, 0.3636, 0.2259



73.2932, 0.3241, 0.2969



23.5736, 0.2257, 0.1510



14.8982, 0.3263, 0.2915



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.



36.0678, 0.3636, 0.2259



30.4108, 0.3785, 0.2118



33.1846, 0.4555, 0.2973



18.2042, 0.3183, 0.3123



12.8628, 0.4123, 0.2045



1.2715, 0.3994, 0.1974

Inverse Universe

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



36.0678, 0.3636, 0.2259



30.4108, 0.3785, 0.2118



79.8243, 0.2531, 0.3685



18.2042, 0.3183, 0.3123



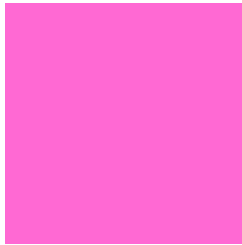
12.8628, 0.4123, 0.2045



1.2715, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 36.0663, 0.3636, 0.2259 looks on a white background.

Color Contrast Check

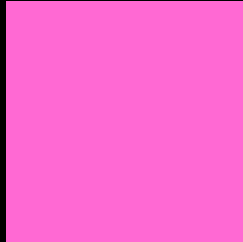
Large Text (above 18pt) WCAG AA × Fail

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 36.0663, 0.3636, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

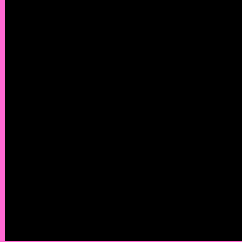
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0663, 0.3636, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 36.0663, 0.3636, 0.2259.



This preview shows how white text looks on a background with the Yxy color 36.0663, 0.3636, 0.2259.

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

36.0663, 0.3636, 0.2259

Protanopia

36.4773, 0.2251, 0.2103

Deuteranopia

36.2286, 0.2756, 0.2701



Tritanopia

35.8829, 0.4439, 0.3199

Trichromacy



Original Color

36.0663, 0.3636, 0.2259



Protanomaly

33.6370, 0.2618, 0.2090



Deuteranomaly

34.2105, 0.3048, 0.2468



Tritanomaly

35.6198, 0.4155, 0.2834

Monochromacy



Original Color

36.0663, 0.3636, 0.2259



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.0808, 0.3316, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0663, 0.3636, 0.2259 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, 105, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 211)  
}
```

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, 105, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 211) }
```

Border

The CSS property to change the border of an element to Yxy 36.0663, 0.3636, 0.2259 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, 105, 211) }
```

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

```
.border{ border-color:rgb(255, 105, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0663, 0.3636, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 211) }
```

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

```
.background{ background-color: rgb(255,  
105, 211) }
```

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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