

Converting Colors

Yxy(51.2977, 0.4168, 0.2469)

Have a look what the booklet for
Yxy(51.2977, 0.4168, 0.2469)
contains.

Yxy(37.1036, 0.3587, 0.2257)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.1036, 0.3587, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DD7
RGB	255, 109, 215
RGB Percent	100%, 43%, 84%
CMY	0.0000, 0.5724, 0.1570
CMYK	0.00, 0.57, 0.16, 0.00
HSL	316°, 100%, 71%
HSV	316°, 57%, 100%
XYZ	58.9679, 37.1036, 68.3219
YIQ	164.7380, 52.9900, 63.9180

Conversions

Conversions Part 2

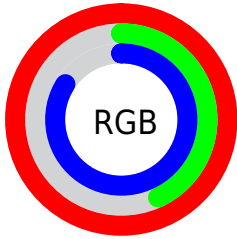
Format	Color
R _Y B	255, 109, 215
Decimal	16739799
CIE Lab	67.35, 67.16, -27.51
CIE LCh	67, 72.573, 337.725
Yxy	37.1036, 0.3587, 0.2257
Android (android.graphics.Color)	4294929879 (0xFFFF6DD7)
YUV	164.7380, 24.7792, 79.1598
Hunter-Lab	60.9127, 66.2037, -23.8629

Details

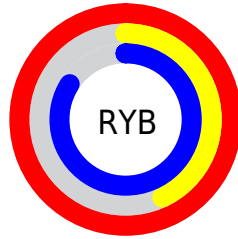
The Yxy color **37.1036, 0.3587, 0.2257** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9375, 0.2874, 0.4656**, and the grayscale version is **37.3586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.2541, 0.3693, 0.2007** is the 20% darker color. If you saturate the color by 10%, you get **32.0783, 0.3698, 0.2128**, and if you desaturate by 10%, it is **43.7253, 0.3483, 0.2417**.

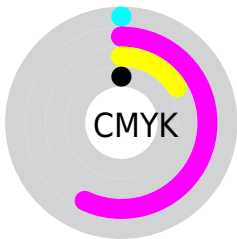
Distribution



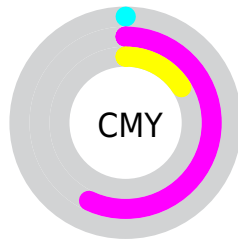
- Red (100%)
- Green (43%)
- Blue (84%)



- Red (100%)
- Yellow (43%)
- Blue (84%)



- Cyan (0%)
- Magenta (57%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1036, 0.3587, 0.2257 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 37.1036, 0.3587, 0.2257 by changing the saturation by 10% instead.


 37.1036, 0.3587,
0.2257


 37.1036, 0.3587,
0.2257


333.7588, 0.3373,
0.2741

 25.2877, 0.3636,
0.2146


 70.7321, 0.3513,
0.2425

 16.2915, 0.3696,
0.2010


 93.3135, 0.3484,
0.2491

 9.7307, 0.3771,
0.1839


 120.2522, 0.3459,
0.2547

 5.2208, 0.3866,
0.1619

151.9326, 0.3437,
0.2596

 2.3774, 0.3992,
0.1330

188.7390, 0.3418,
0.2639

 0.8142, 0.4157,
0.0942

231.0560, 0.3401,

 0.0000, 0.4565,

0.2677

0.0000

279.2678, 0.3386,
0.2711

■ 0.0000, 0.4364,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1036, 0.3587,
0.2257

■ 37.1036, 0.3587,
0.2257

■ 32.0783, 0.3698,
0.2128

■ 43.7253, 0.3483,
0.2417

■ 28.5033, 0.3814,
0.2040


■ 52.0622, 0.3388,
0.2596


■ 26.2145, 0.3929,
0.2000

■ 62.2277, 0.3303,
0.2784

■ 24.9986, 0.4040,
0.2008

■ 74.3242, 0.3230,
0.2975

 24.7639, 0.4070,
0.2016

 88.4464, 0.3167,
0.3160

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



37.1036, 0.2528, 0.1875



37.1036, 0.3587, 0.2257



37.1036, 0.4661, 0.2837

Triad

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



37.1036, 0.3587, 0.2257



37.1036, 0.4352, 0.4973



37.1036, 0.1407, 0.2496

Complementary

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



37.1036, 0.3587, 0.2257



76.9375, 0.2874, 0.4656

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.



37.1036, 0.1729, 0.3556



37.1036, 0.3587, 0.2257



37.1036, 0.3411, 0.5331

Square

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



37.1036, 0.3587, 0.2257



37.1036, 0.5045, 0.4254



37.1036, 0.2449, 0.4793



37.1036, 0.1443, 0.1928

Rectangle

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



37.1036, 0.3587, 0.2257



37.1036, 0.5114, 0.3285



37.1036, 0.2449, 0.4793



37.1036, 0.1472, 0.2796

Sweetspot

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



37.1054, 0.3587, 0.2257



74.6501, 0.3228, 0.2979



24.4532, 0.2267, 0.1551



15.4217, 0.3242, 0.2941



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.



37.1054, 0.3587, 0.2257



31.3523, 0.3719, 0.2109



34.1864, 0.4464, 0.2953



18.2104, 0.3180, 0.3119



12.9674, 0.4053, 0.2006



1.2810, 0.3934, 0.1941

Inverse Universe

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



37.1054, 0.3587, 0.2257



31.3523, 0.3719, 0.2109



79.9828, 0.2552, 0.3703



18.2104, 0.3180, 0.3119



12.9674, 0.4053, 0.2006



1.2810, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 37.1036, 0.3587, 0.2257 looks on a white background.

Color Contrast Check

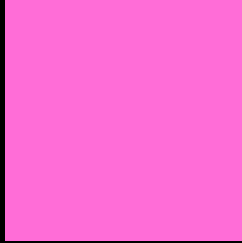
Large Text (above 18pt) WCAG AA × Fail

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 37.1036, 0.3587, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

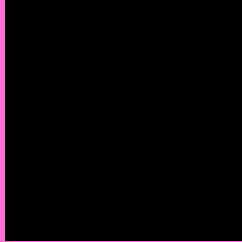
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1036, 0.3587, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 37.1036, 0.3587, 0.2257.



This preview shows how white text looks on a background with the Yxy color 37.1036, 0.3587, 0.2257.

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

37.1036, 0.3587, 0.2257

Protanopia

37.4556, 0.2258, 0.2114

Deuteranopia

37.2638, 0.2730, 0.2670



Tritanopia

37.0186, 0.4371, 0.3198

Trichromacy



Original Color

37.1036, 0.3587, 0.2257



Protanomaly

34.7512, 0.2616, 0.2110



Deuteranomaly

35.3366, 0.3004, 0.2451



Tritanomaly

36.7154, 0.4092, 0.2832

Monochromacy



Original Color

37.1036, 0.3587, 0.2257



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.6755, 0.3301, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1036, 0.3587, 0.2257 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, 109, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 215)  
}
```

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, 109, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 215) }
```

Border

The CSS property to change the border of an element to Yxy 37.1036, 0.3587, 0.2257 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, 109, 215) }
```

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

```
.border{ border-color:rgb(255, 109, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1036, 0.3587, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 215) }
```

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

```
.background{ background-color: rgb(255,  
109, 215) }
```

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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