

Converting Colors

$Y_{xy}(37.2271, 0.3156, 0.1877)$

Have a look what the booklet for
Yxy(37.2271, 0.3156, 0.1877)
contains.

Yxy(37.2320, 0.3156, 0.1877)	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(37.2320, 0.3156, 0.1877)

Conversions

Conversions Part 1

Format	Color
Hex	FB66FF
RGB	251, 102, 255
RGB Percent	98%, 40%, 100%
CMY	0.0155, 0.6002, 0.0000
CMYK	0.02, 0.60, 0.00, 0.00
HSL	298°, 100%, 70%
HSV	298°, 60%, 100%
XYZ	62.6021, 37.2320, 98.5250
YIQ	163.9930, 39.6910, 79.1710

Conversions

Conversions Part 2

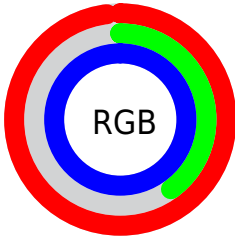
Format	Color
R_{YB}	251, 102, 255
Decimal	16475903
CIE _{Lab}	67.45, 75.33, -49.56
CIE _{LCh}	67, 90.173, 326.656
Yxy	37.2320, 0.3156, 0.1877
Android (android.graphics.Color)	4294665983 (0xFFFB66FF)
YUV	163.9930, 44.8665, 76.3051
Hunter-Lab	61.0180, 76.3525, -53.0221

Details

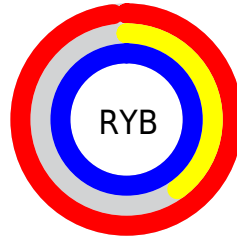
The Yxy color **37.2320, 0.3156, 0.1877** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.5365, 0.3052, 0.5230**, and the grayscale version is **36.8818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.3556, 0.3118, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **32.8474, 0.3156, 0.1721**, and if you desaturate by 10%, it is **43.1562, 0.3155, 0.2071**.

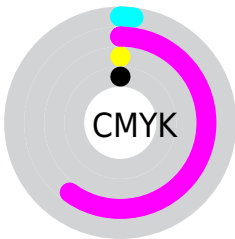
Distribution



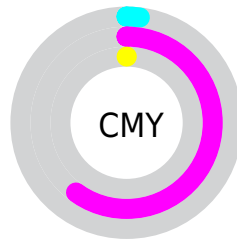
- Red (98%)
- Green (40%)
- Blue (100%)



- Red (98%)
- Yellow (40%)
- Blue (100%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2320, 0.3156, 0.1877 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 37.2320, 0.3156, 0.1877 by changing the saturation by 10% instead.

 37.2320, 0.3156,
0.1877


 37.2320, 0.3156,
0.1877


334.3139, 0.3175,
0.2505


 25.3872, 0.3144,
0.1743


 70.9295, 0.3169,
0.2088


 16.3657, 0.3124,
0.1584


 93.5509, 0.3172,
0.2172

 9.7833, 0.3093,
0.1393


 120.5333, 0.3174,
0.2245

 5.2555, 0.3042,
0.1161

 152.2611, 0.3175,
0.2310

 2.3980, 0.2954,
0.0881

189.1186, 0.3176,
0.2367

 0.8248, 0.2798,
0.0553

231.4903, 0.3176,

 0.0000, 0.2558,

0.2418

0.0000

279.7606, 0.3176,
0.2463

■ 0.0000, 0.1821,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2320, 0.3156,
0.1877

■ 37.2320, 0.3156,
0.1877

■ 32.8474, 0.3156,
0.1721

■ 43.1562, 0.3155,
0.2071

■ 29.8578, 0.3153,
0.1608

■ 50.7501, 0.3152,
0.2294

■ 28.0879, 0.3149,
0.1538

■ 60.1276, 0.3147,
0.2537

■ 27.2526, 0.3144,
0.1505

■ 71.3933, 0.3141,
0.2790

 84.6436, 0.3134,
0.3043

99.9685, 0.3127,
0.3290

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.



37.2320, 0.2031, 0.1552



37.2320, 0.3156, 0.1877



37.2320, 0.4564, 0.2457

Triad

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



37.2320, 0.3156, 0.1877



37.2320, 0.4843, 0.4878



37.2320, 0.1189, 0.2678

Complementary

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



37.2320, 0.3156, 0.1877



75.5365, 0.3052, 0.5230

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.



37.2320, 0.1687, 0.4212



37.2320, 0.3156, 0.1877



37.2320, 0.3782, 0.5691

Square

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



37.2320, 0.3156, 0.1877



37.2320, 0.5561, 0.3972



37.2320, 0.2644, 0.5630



37.2320, 0.1116, 0.1832

Rectangle

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



37.2320, 0.3156, 0.1877



37.2320, 0.5310, 0.2929



37.2320, 0.2644, 0.5630



37.2320, 0.1301, 0.3121

Sweetspot

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



37.2313, 0.3156, 0.1877



73.9059, 0.3140, 0.2841



20.5683, 0.1966, 0.1405



15.0494, 0.3142, 0.2767



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.



37.2313, 0.3156, 0.1877



32.1495, 0.3156, 0.1695



34.1961, 0.3967, 0.2485



18.2751, 0.3134, 0.3056



14.2508, 0.3145, 0.1506



1.3948, 0.3153, 0.1510

Inverse Universe

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



31.7917, 0.4980, 0.3259



26.3413, 0.5551, 0.3262



77.3735, 0.2738, 0.4340



17.9947, 0.3290, 0.3284



11.1196, 0.6375, 0.3285



1.0852, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 37.2320, 0.3156, 0.1877 looks on a white background.

Color Contrast Check

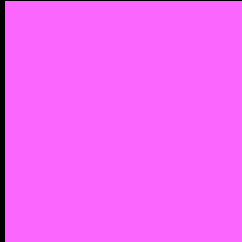
Large Text (above 18pt) WCAG AA × Fail

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 37.2320, 0.3156, 0.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

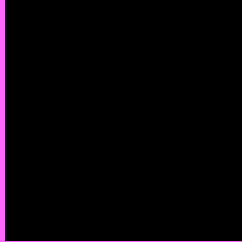
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2320, 0.3156, 0.1877

Background



This preview shows how black text looks on a background with the Yxy color 37.2320, 0.3156, 0.1877.



This preview shows how white text looks on a background with the Yxy color 37.2320, 0.3156, 0.1877.

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

37.2320, 0.3156, 0.1877

Protanopia

37.7278, 0.2254, 0.2125

Deuteranopia

37.4541, 0.2304, 0.2234



Tritanopia

36.9354, 0.4187, 0.3181

Trichromacy



Original Color

37.2320, 0.3156, 0.1877



Protanomaly

34.8604, 0.2502, 0.1953



Deuteranomaly

34.7735, 0.2540, 0.2014

Tritanomaly

36.4344, 0.3793, 0.2628

Monochromacy



Original Color

37.2320, 0.3156, 0.1877



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

34.8167, 0.3150, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2320, 0.3156, 0.1877 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(251, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 102, 255)  
}
```

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(251, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.2320, 0.3156, 0.1877 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(251, 102, 255) }
```

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

```
.border{ border-color:rgb(251, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(251, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2320, 0.3156, 0.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 102, 255) }
```

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

```
.background{ background-color: rgb(251,  
102, 255) }
```

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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