

Converting Colors

Yxy(48.0915, 0.3724, 0.2133)

Have a look what the booklet for
Yxy(48.0915, 0.3724, 0.2133)
contains.

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Color

Yxy(37.1517, 0.3258, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	FF64F8
RGB	255, 100, 248
RGB Percent	100%, 39%, 97%
CMY	0.0000, 0.6079, 0.0273
CMYK	0.00, 0.61, 0.03, 0.00
HSL	303°, 100%, 70%
HSV	303°, 61%, 100%
XYZ	62.7477, 37.1517, 92.6963
YIQ	163.2170, 44.8720, 78.8880

Conversions

Conversions Part 2

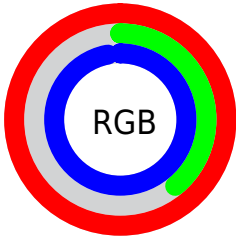
Format	Color
R _Y B	255, 100, 248
Decimal	16737528
CIE Lab	67.39, 75.93, -45.78
CIE LCh	67, 88.657, 328.914
Yxy	37.1517, 0.3258, 0.1929
Android (android.graphics.Color)	4294927608 (0xFFFF64F8)
YUV	163.2170, 41.7980, 80.4937
Hunter-Lab	60.9522, 77.0917, -47.5019

Details

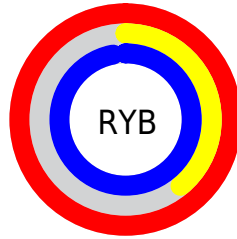
The Yxy color **37.1517, 0.3258, 0.1929** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.2890, 0.3010, 0.5189**, and the grayscale version is **36.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **16.3437, 0.3257, 0.1643** is the 20% darker color. If you saturate the color by 10%, you get **32.9310, 0.3279, 0.1785**, and if you desaturate by 10%, it is **42.9011, 0.3236, 0.2111**.

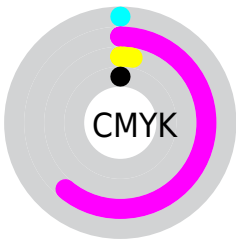
Distribution



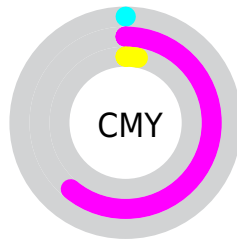
- Red (100%)
- Green (39%)
- Blue (97%)



- Red (100%)
- Yellow (39%)
- Blue (97%)



- Cyan (0%)
- Magenta (61%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1517, 0.3258, 0.1929 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 37.1517, 0.3258, 0.1929 by changing the saturation by 10% instead.


 37.1517, 0.3258,
0.1929


 37.1517, 0.3258,
0.1929


333.9668, 0.3225,
0.2538

 25.3250, 0.3258,
0.1798


 70.8060, 0.3252,
0.2134

 16.3193, 0.3255,
0.1641


 93.4024, 0.3248,
0.2216

 9.7504, 0.3245,
0.1451


 120.3575, 0.3244,
0.2287

 5.2338, 0.3221,
0.1219

 152.0557, 0.3240,
0.2350

 2.3851, 0.3170,
0.0936

188.8813, 0.3236,
0.2405

 0.8182, 0.3063,
0.0597

231.2187, 0.3232,

 0.0000, 0.2900,

0.2454

0.0000

279.4525, 0.3228,
0.2498

0.0000, 0.2195,
0.0000

0.0000, 0.0000,
0.0000

37.1517, 0.3258,
0.1929

37.1517, 0.3258,
0.1929

32.9310, 0.3279,
0.1785

42.9011, 0.3236,
0.2111

30.0932, 0.3298,
0.1684

50.3110, 0.3213,
0.2322


28.4600, 0.3314,
0.1627


59.4961, 0.3190,
0.2553

27.7636, 0.3327,
0.1607

70.5617, 0.3168,
0.2793

 83.6047, 0.3148,
0.3035

 98.7155, 0.3129,
0.3272

 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.



37.1517, 0.2113, 0.1585



37.1517, 0.3258, 0.1929



37.1517, 0.4640, 0.2520

Triad

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



37.1517, 0.3258, 0.1929



37.1517, 0.4759, 0.4938



37.1517, 0.1193, 0.2604

Complementary

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



37.1517, 0.3258, 0.1929



75.2890, 0.3010, 0.5189

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.



37.1517, 0.1654, 0.4069



37.1517, 0.3258, 0.1929



37.1517, 0.3699, 0.5696

Square

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



37.1517, 0.3258, 0.1929



37.1517, 0.5499, 0.4038



37.1517, 0.2575, 0.5521



37.1517, 0.1145, 0.1813

Rectangle

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



37.1517, 0.3258, 0.1929



37.1517, 0.5337, 0.2993



37.1517, 0.2575, 0.5521



37.1517, 0.1294, 0.3022

Sweetspot

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



37.1508, 0.3258, 0.1929



73.9978, 0.3162, 0.2861



19.3440, 0.1967, 0.1337



15.0722, 0.3168, 0.2791



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.



37.1508, 0.3258, 0.1929



32.1905, 0.3283, 0.1759



33.3626, 0.4115, 0.2577



18.2854, 0.3145, 0.3066



14.5133, 0.3325, 0.1605



1.4173, 0.3311, 0.1598

Inverse Universe

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



37.1508, 0.3258, 0.1929



32.1905, 0.3283, 0.1759



77.6332, 0.2689, 0.4216



18.2854, 0.3145, 0.3066



14.5133, 0.3325, 0.1605



1.4173, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 37.1517, 0.3258, 0.1929 looks on a white background.

Color Contrast Check

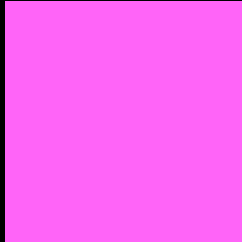
Large Text (above 18pt) WCAG AA × Fail

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 37.1517, 0.3258, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

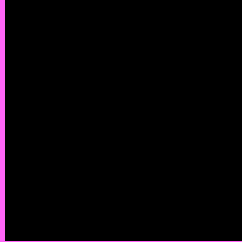
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1517, 0.3258, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 37.1517, 0.3258, 0.1929.



This preview shows how white text looks on a background with the Yxy color 37.1517, 0.3258, 0.1929.

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

37.1517, 0.3258, 0.1929

Protanopia

37.6499, 0.2249, 0.2124

Deuteranopia

37.5183, 0.2376, 0.2314



Tritanopia

36.9134, 0.4286, 0.3185

Trichromacy



Original Color

37.1517, 0.3258, 0.1929



Protanomaly

34.4922, 0.2527, 0.1969



Deuteranomaly

34.7507, 0.2632, 0.2079



Tritanomaly

36.2225, 0.3899, 0.2660

Monochromacy



Original Color

37.1517, 0.3258, 0.1929



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.3870, 0.3179, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1517, 0.3258, 0.1929 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, 100, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 248)  
}
```

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, 100, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 248) }
```

Border

The CSS property to change the border of an element to Yxy 37.1517, 0.3258, 0.1929 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, 100, 248) }
```

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

```
.border{ border-color:rgb(255, 100, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1517, 0.3258, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 248) }
```

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

```
.background{ background-color: rgb(255,  
100, 248) }
```

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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