

Converting Colors

$Y_{xy}(72.5740, 0.4086, 0.2240)$

Have a look what the booklet for
Yxy(72.5740, 0.4086, 0.2240)
contains.

Yxy(37.5943, 0.3193, 0.1880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5943, 0.3193, 0.1880)

Conversions

Conversions Part 1

Format	Color
Hex	FF64FF
RGB	255, 100, 255
RGB Percent	100%, 39%, 100%
CMY	0.0000, 0.6078, 0.0000
CMYK	0.00, 0.61, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 61%, 100%
XYZ	63.8503, 37.5943, 98.5251
YIQ	164.0150, 42.6250, 81.0650

Conversions

Conversions Part 2

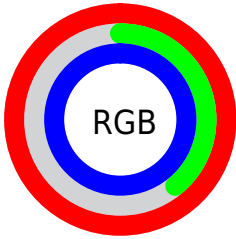
Format	Color
R _Y B	255, 100, 255
Decimal	16737535
CIE Lab	67.72, 77.04, -49.10
CIE LCh	68, 91.355, 327.489
Yxy	37.5943, 0.3193, 0.1880
Android (android.graphics.Color)	4294927615 (0xFFFF64FF)
YUV	164.0150, 44.8556, 79.7938
Hunter-Lab	61.3142, 78.5834, -52.3525

Details

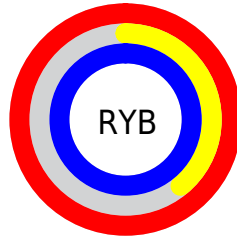
The Yxy color **37.5943, 0.3193, 0.1880** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.1495, 0.3035, 0.5265**, and the grayscale version is **36.8986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **16.6079, 0.3169, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **33.4442, 0.3200, 0.1733**, and if you desaturate by 10%, it is **43.2738, 0.3185, 0.2067**.

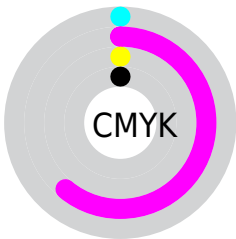
Distribution



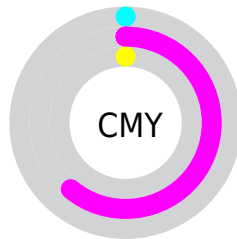
- Red (100%)
- Green (39%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5943, 0.3193, 0.1880 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 37.5943, 0.3193, 0.1880 by changing the saturation by 10% instead.


 37.5943, 0.3193,
0.1880


 37.5943, 0.3193,
0.1880


335.8764, 0.3194,
0.2505


 25.6680, 0.3185,
0.1747


 71.4859, 0.3200,
0.2090


 16.5754, 0.3171,
0.1589


 94.2199, 0.3201,
0.2173

 9.9322, 0.3146,
0.1399


 121.3253, 0.3200,
0.2246

 5.3540, 0.3104,
0.1168

 153.1864, 0.3200,
0.2311

 2.4565, 0.3030,
0.0890

190.1877, 0.3199,
0.2368

 0.8547, 0.2891,
0.0564

232.7136, 0.3197,

 0.0000, 0.2681,

0.2418

0.0000

281.1483, 0.3196,
0.2464

0.0000, 0.2018,
0.0000

0.0000, 0.0000,
0.0000

37.5943, 0.3193,
0.1880

37.5943, 0.3193,
0.1880

33.4442, 0.3200,
0.1733

43.2738, 0.3185,
0.2067

30.6762, 0.3205,
0.1628

50.6128, 0.3174,
0.2284

29.1124, 0.3208,
0.1567

59.7267, 0.3163,
0.2522

28.4796, 0.3209,
0.1542

70.7207, 0.3151,
0.2772

 83.6917, 0.3140,
0.3024

 98.7302, 0.3128,
0.3271

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.



37.5943, 0.2047, 0.1546



37.5943, 0.3193, 0.1880



37.5943, 0.4614, 0.2468

Triad

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



37.5943, 0.3193, 0.1880



37.5943, 0.4824, 0.4910



37.5943, 0.1169, 0.2637

Complementary

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



37.5943, 0.3193, 0.1880



75.1495, 0.3035, 0.5265

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.



37.5943, 0.1653, 0.4172



37.5943, 0.3193, 0.1880



37.5943, 0.3749, 0.5726

Square

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



37.5943, 0.3193, 0.1880



37.5943, 0.5566, 0.3994



37.5943, 0.2605, 0.5633



37.5943, 0.1106, 0.1805

Rectangle

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



37.5943, 0.3193, 0.1880



37.5943, 0.5354, 0.2944



37.5943, 0.2605, 0.5633



37.5943, 0.1276, 0.3076

Sweetspot

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



37.5940, 0.3193, 0.1880



74.1299, 0.3148, 0.2842



19.5470, 0.1945, 0.1352



15.1051, 0.3152, 0.2769



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.



37.5940, 0.3193, 0.1880



32.7175, 0.3201, 0.1706



33.6729, 0.4015, 0.2502



18.3004, 0.3138, 0.3056



14.8812, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



31.2943, 0.5065, 0.3296



25.9256, 0.5651, 0.3297



77.3211, 0.2724, 0.4321



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 37.5943, 0.3193, 0.1880 looks on a white background.

Color Contrast Check

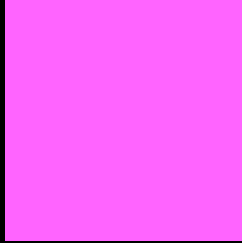
Large Text (above 18pt) WCAG AA × Fail

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 37.5943, 0.3193, 0.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

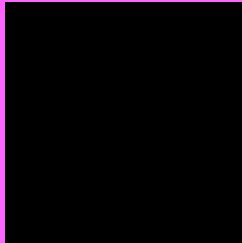
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5943, 0.3193, 0.1880

Background



This preview shows how black text looks on a background with the Yxy color 37.5943, 0.3193, 0.1880.



This preview shows how white text looks on a background with the Yxy color 37.5943, 0.3193, 0.1880.

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

37.5943, 0.3193, 0.1880

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.8284, 0.2317, 0.2259



Tritanopia

37.3328, 0.4243, 0.3184

Trichromacy



Original Color

37.5943, 0.3193, 0.1880



Protanomaly

34.7992, 0.2516, 0.1947



Deuteranomaly

34.9410, 0.2562, 0.2028

Tritanomaly

36.6260, 0.3850, 0.2629

Monochromacy



Original Color

37.5943, 0.3193, 0.1880



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

34.9513, 0.3160, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5943, 0.3193, 0.1880 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 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(255, 100, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 37.5943, 0.3193, 0.1880 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 37.5943, 0.3193, 0.1880 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, 255) }
```

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

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