

Converting Colors

Yxy(37.9706, 0.3194, 0.1895)

Have a look what the booklet for
Yxy(37.9706, 0.3194, 0.1895)
contains.

Yxy(37.9827, 0.3193, 0.1894)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9827, 0.3193, 0.1894)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FF
RGB	255, 102, 255
RGB Percent	100%, 40%, 100%
CMY	0.0000, 0.5999, 0.0002
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	64.0331, 37.9827, 98.5264
YIQ	165.1890, 42.0750, 80.0190

Conversions

Conversions Part 2

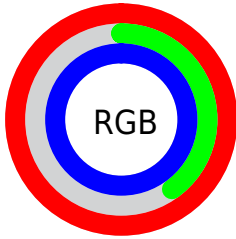
Format	Color
R _{YB}	255, 102, 255
Decimal	16738047
CIE _{Lab}	68.01, 76.22, -48.61
CIE _{LCh}	68, 90.397, 327.474
Yxy	37.9827, 0.3193, 0.1894
Android (android.graphics.Color)	4294928127 (0xFFFF66FF)
YUV	165.1890, 44.2768, 78.7642
Hunter-Lab	61.6301, 77.6072, -51.6443

Details

The Yxy color **37.9827, 0.3193, 0.1894** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.3025, 0.3036, 0.5238**, and the grayscale version is **37.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.8234, 0.3168, 0.1602** is the 20% darker color. If you saturate the color by 10%, you get **33.7177, 0.3200, 0.1743**, and if you desaturate by 10%, it is **43.7920, 0.3184, 0.2083**.

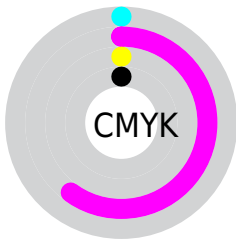
Distribution



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



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9827, 0.3193, 0.1894 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 37.9827, 0.3193, 0.1894 by changing the saturation by 10% instead.

 37.9827, 0.3193,
0.1894


 37.9827, 0.3193,
0.1894

337.5458, 0.3193,
0.2513


 25.9693, 0.3185,
0.1762


 72.0816, 0.3199,
0.2102


 16.8006, 0.3171,
0.1605


 94.9359, 0.3200,
0.2185

 10.0925, 0.3148,
0.1416


 122.1726, 0.3200,
0.2257

 5.4603, 0.3107,
0.1187

 154.1760, 0.3199,
0.2321

 2.5198, 0.3034,
0.0909

191.3307, 0.3198,
0.2377

 0.8865, 0.2899,
0.0582

234.0209, 0.3196,

 0.0000, 0.2699,

0.2427

0.0000

282.6312, 0.3195,
0.2472

0.0000, 0.2045,
0.0000

0.0000, 0.0000,
0.0000

37.9827, 0.3193,
0.1894

37.9827, 0.3193,
0.1894

33.7177, 0.3200,
0.1743

43.7920, 0.3184,
0.2083

30.8454, 0.3205,
0.1635


51.2684, 0.3174,
0.2302

29.1928, 0.3208,
0.1571

60.5282, 0.3162,
0.2542

28.4749, 0.3210,
0.1542

71.6760, 0.3151,
0.2792

 28.4742, 0.3210,
0.1542

 84.8081, 0.3139,
0.3044

99.9982, 0.3127,
0.3290

99.9985, 0.3127,
0.3290

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



37.9827, 0.2059, 0.1562



37.9827, 0.3193, 0.1894



37.9827, 0.4594, 0.2478

Triad

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



37.9827, 0.3193, 0.1894



37.9827, 0.4814, 0.4901



37.9827, 0.1188, 0.2649

Complementary

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



37.9827, 0.3193, 0.1894



75.3025, 0.3036, 0.5238

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.



37.9827, 0.1672, 0.4161



37.9827, 0.3193, 0.1894



37.9827, 0.3751, 0.5697

Square

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



37.9827, 0.3193, 0.1894



37.9827, 0.5542, 0.3996



37.9827, 0.2617, 0.5596



37.9827, 0.1124, 0.1822

Rectangle

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



37.9827, 0.3193, 0.1894



37.9827, 0.5324, 0.2951



37.9827, 0.2617, 0.5596



37.9827, 0.1296, 0.3083

Sweetspot

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



37.9844, 0.3193, 0.1894



74.1293, 0.3148, 0.2842



19.5547, 0.1954, 0.1351



15.1049, 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.



37.9844, 0.3193, 0.1894



33.0347, 0.3201, 0.1718



34.0022, 0.4030, 0.2534



18.3003, 0.3138, 0.3056



14.8794, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

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



37.9844, 0.3193, 0.1894



33.0347, 0.3201, 0.1718



77.5768, 0.2715, 0.4270



18.3003, 0.3138, 0.3056



14.8794, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.9827, 0.3193, 0.1894 looks on a white background.

Color Contrast Check

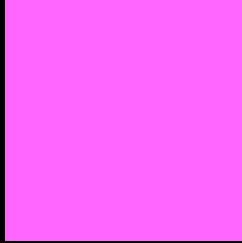
Large Text (above 18pt) WCAG AA × Fail

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 37.9827, 0.3193, 0.1894 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 37.9827, 0.3193, 0.1894

Background



This preview shows how black text looks on a background with the Yxy color 37.9827, 0.3193, 0.1894.



This preview shows how white text looks on a background with the Yxy color 37.9827, 0.3193, 0.1894.

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

37.9827, 0.3193, 0.1894

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.3475, 0.2331, 0.2275



Tritanopia

37.6355, 0.4226, 0.3184

Trichromacy



Original Color

37.9827, 0.3193, 0.1894



Protanomaly

35.4999, 0.2526, 0.1972



Deuteranomaly

35.4704, 0.2579, 0.2044

Tritanomaly

37.1539, 0.3833, 0.2639

Monochromacy



Original Color

37.9827, 0.3193, 0.1894



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.4290, 0.3160, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9827, 0.3193, 0.1894 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 102, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 37.9827, 0.3193, 0.1894 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, 102, 255) }
```

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

```
.border{ border-color:rgb(255, 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(255, 102, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 37.9827, 0.3193, 0.1894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor