

Converting Colors

$Y_{xy}(37.0780, 0.3194, 0.1862)$

Have a look what the booklet for
Yxy(37.0780, 0.3194, 0.1862)
contains.

Yxy(37.0294, 0.3194, 0.1861)	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(37.0294, 0.3194, 0.1861)

Conversions

Conversions Part 1

Format	Color
Hex	FF61FF
RGB	255, 97, 255
RGB Percent	100%, 38%, 100%
CMY	0.0001, 0.6194, 0.0001
CMYK	0.00, 0.62, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 62%, 100%
XYZ	63.5529, 37.0294, 98.3935
YIQ	162.2540, 43.4500, 82.6340

Conversions

Conversions Part 2

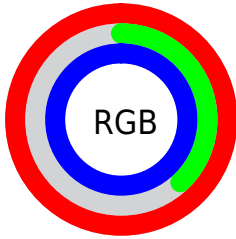
Format	Color
R _Y B	255, 97, 255
Decimal	16736767
CIE _{Lab}	67.30, 78.17, -49.74
CIE _{LCh}	67, 92.657, 327.532
Y _{xy}	37.0294, 0.3194, 0.1861
Android (android.graphics.Color)	4294926847 (0xFFFF61FF)
YUV	162.2540, 45.7238, 81.3382
Hunter-Lab	60.8518, 79.9326, -53.2720

Details

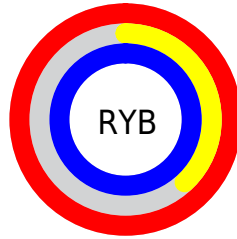
The Yxy color **37.0294, 0.3194, 0.1861** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **74.9206, 0.3033, 0.5302**, and the grayscale version is **36.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **16.2921, 0.3170, 0.1565** is the 20% darker color. If you saturate the color by 10%, you get **33.0487, 0.3201, 0.1718**, and if you desaturate by 10%, it is **42.5273, 0.3186, 0.2043**.

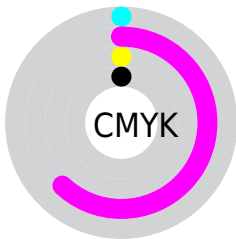
Distribution



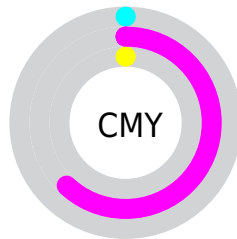
- Red (100%)
- Green (38%)
- Blue (100%)



- Red (100%)
- Yellow (38%)
- Blue (100%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0294, 0.3194, 0.1861 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 37.0294, 0.3194, 0.1861 by changing the saturation by 10% instead.


 37.0294, 0.3194,
0.1861


 37.0294, 0.3194,
0.1861

333.4378, 0.3196,
0.2494


 25.2303, 0.3185,
0.1727

 70.6180, 0.3201,
0.2073

 16.2487, 0.3171,
0.1567


 93.1762, 0.3202,
0.2158

 9.7003, 0.3146,
0.1375


 120.0896, 0.3202,
0.2232

 5.2007, 0.3102,
0.1143

 151.7426, 0.3201,
0.2297

 2.3655, 0.3025,
0.0863

188.5195, 0.3200,
0.2355

 0.8081, 0.2882,
0.0538

230.8047, 0.3199,

 0.0000, 0.2659,

0.2406

0.0000

278.9827, 0.3197,
0.2452

■ 0.0000, 0.1979,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0294, 0.3194,
0.1861

■ 37.0294, 0.3194,
0.1861

■ 33.0487, 0.3201,
0.1718

■ 42.5273, 0.3186,
0.2043

■ 30.4293, 0.3205,
0.1619

■ 49.6684, 0.3175,
0.2257


■ 28.9906, 0.3208,
0.1562

■ 58.5713, 0.3164,
0.2494

■ 28.4700, 0.3209,
0.1541

■ 69.3423, 0.3153,
0.2743

 82.0794, 0.3141,
0.2995

 96.8735, 0.3129,
0.3243

99.9971, 0.3127,
0.3290

99.9977, 0.3127,
0.3290

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



37.0294, 0.2031, 0.1524



37.0294, 0.3194, 0.1861



37.0294, 0.4643, 0.2455

Triad

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



37.0294, 0.3194, 0.1861



37.0294, 0.4837, 0.4923



37.0294, 0.1142, 0.2619

Complementary

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



37.0294, 0.3194, 0.1861



74.9206, 0.3033, 0.5302

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.



37.0294, 0.1626, 0.4186



37.0294, 0.3194, 0.1861



37.0294, 0.3743, 0.5765

Square

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



37.0294, 0.3194, 0.1861



37.0294, 0.5598, 0.3991



37.0294, 0.2587, 0.5685



37.0294, 0.1082, 0.1780

Rectangle

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



37.0294, 0.3194, 0.1861



37.0294, 0.5395, 0.2934



37.0294, 0.2587, 0.5685



37.0294, 0.1249, 0.3065

Sweetspot

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



37.0311, 0.3194, 0.1861



72.8867, 0.3149, 0.2817



18.8167, 0.1922, 0.1315



14.8637, 0.3153, 0.2745



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.



37.0311, 0.3194, 0.1861



32.4067, 0.3202, 0.1694



33.0565, 0.4041, 0.2491



18.3003, 0.3138, 0.3056



14.8781, 0.3209, 0.1541



1.4487, 0.3209, 0.1541

Inverse Universe

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



30.6804, 0.5121, 0.3296



25.5888, 0.5696, 0.3297



77.0875, 0.2721, 0.4345



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 37.0294, 0.3194, 0.1861 looks on a white background.

Color Contrast Check

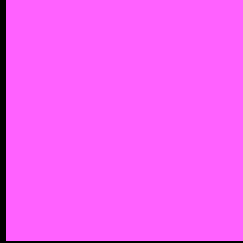
Large Text (above 18pt) WCAG AA × Fail

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 37.0294, 0.3194, 0.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

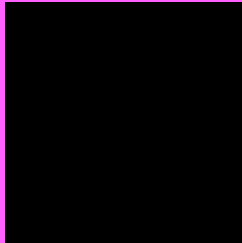
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0294, 0.3194, 0.1861

Background



This preview shows how black text looks on a background with the Yxy color 37.0294, 0.3194, 0.1861.



This preview shows how white text looks on a background with the Yxy color 37.0294, 0.3194, 0.1861.

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

37.0294, 0.3194, 0.1861

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.3152, 0.2303, 0.2242



Tritanopia

36.5595, 0.4266, 0.3184

Trichromacy



Original Color

37.0294, 0.3194, 0.1861



Protanomaly

34.3956, 0.2507, 0.1934



Deuteranomaly

34.2412, 0.2552, 0.2003

Tritanomaly

35.9271, 0.3856, 0.2618

Monochromacy



Original Color

37.0294, 0.3194, 0.1861



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

33.8982, 0.3161, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0294, 0.3194, 0.1861 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, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 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, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.0294, 0.3194, 0.1861 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, 97, 255) }
```

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

```
.border{ border-color:rgb(255, 97, 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, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0294, 0.3194, 0.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 255) }
```

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

```
.background{ background-color: rgb(255, 97,  
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