

Converting Colors

$Y_{xy}(37.7641, 0.3013, 0.1932)$

Have a look what the booklet for
Yxy(37.7641, 0.3013, 0.1932)
contains.

Yxy(37.7754, 0.3017, 0.1932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7754, 0.3017, 0.1932)

Conversions

Conversions Part 1

Format	Color
Hex	EC75FF
RGB	236, 117, 255
RGB Percent	93%, 46%, 100%
CMY	0.0746, 0.5410, 0.0001
CMYK	0.07, 0.54, 0.00, 0.00
HSL	292°, 100%, 73%
HSV	292°, 54%, 100%
XYZ	58.9898, 37.7754, 98.7596
YIQ	168.3130, 26.6260, 68.1460

Conversions

Conversions Part 2

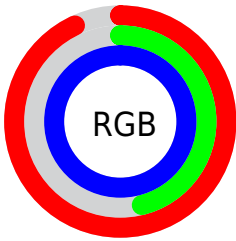
Format	Color
R _Y B	236, 117, 255
Decimal	15496703
CIE Lab	67.85, 65.05, -49.02
CIE LCh	68, 81.457, 323.000
Yxy	37.7754, 0.3017, 0.1932
Android (android.graphics.Color)	4293686783 (0xFFEC75FF)
YUV	168.3130, 42.7367, 59.3615
Hunter-Lab	61.4617, 63.7632, -52.2468

Details

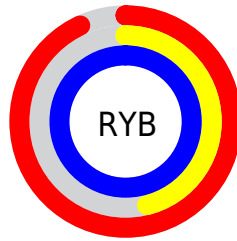
The Yxy color **37.7754, 0.3017, 0.1932** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **78.0204, 0.3140, 0.4987**, and the grayscale version is **39.1007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **16.6560, 0.2945, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **32.0253, 0.2985, 0.1730**, and if you desaturate by 10%, it is **45.1583, 0.3046, 0.2164**.

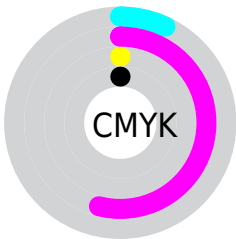
Distribution



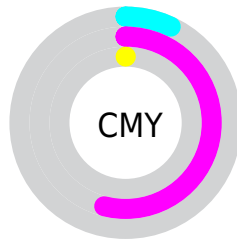
- Red (93%)
- Green (46%)
- Blue (100%)



- Red (93%)
- Yellow (46%)
- Blue (100%)



- Cyan (7%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7754, 0.3017, 0.1932 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 37.7754, 0.3017, 0.1932 by changing the saturation by 10% instead.

 37.7754, 0.3017,
0.1932


 37.7754, 0.3017,
0.1932


336.6555, 0.3100,
0.2541


 25.8084, 0.2990,
0.1801


 71.7638, 0.3052,
0.2138

 16.6804, 0.2953,
0.1644


 94.5539, 0.3064,
0.2219

 10.0069, 0.2900,
0.1454


 121.7206, 0.3074,
0.2290

 5.4035, 0.2820,
0.1222

153.6482, 0.3081,
0.2353

 2.4859, 0.2696,
0.0939

190.7211, 0.3088,
0.2408

 0.8696, 0.2492,
0.0602

233.3237, 0.3093,

 0.0000, 0.2188,

0.2457

0.0000

281.8403, 0.3097,
0.2501

■ 0.0000, 0.1167,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7754, 0.3017,
0.1932

■ 37.7754, 0.3017,
0.1932

■ 32.0253, 0.2985,
0.1730

■ 45.1583, 0.3046,
0.2164

■ 27.7683, 0.2950,
0.1567

■ 54.2886, 0.3071,
0.2416

■ 24.8495, 0.2914,
0.1448

■ 65.2766, 0.3092,
0.2676

■ 23.0776, 0.2878,
0.1375

■ 78.2217, 0.3109,
0.2937

■ 22.4090, 0.2857,
0.1347

■ 93.2163, 0.3123,
0.3190

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



37.7754, 0.2028, 0.1656



37.7754, 0.3017, 0.1932



37.7754, 0.4279, 0.2457

Triad

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



37.7754, 0.3017, 0.1932



37.7754, 0.4853, 0.4708



37.7754, 0.1371, 0.2898

Complementary

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



37.7754, 0.3017, 0.1932



78.0204, 0.3140, 0.4987

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.



37.7754, 0.1913, 0.4302



37.7754, 0.3017, 0.1932



37.7754, 0.3913, 0.5428

Square

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



37.7754, 0.3017, 0.1932



37.7754, 0.5410, 0.3886



37.7754, 0.2851, 0.5439



37.7754, 0.1244, 0.2027

Rectangle

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



37.7754, 0.3017, 0.1932



37.7754, 0.4999, 0.2899



37.7754, 0.2851, 0.5439



37.7754, 0.1501, 0.3323

Sweetspot

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



37.7770, 0.3017, 0.1932



75.6241, 0.3106, 0.2888



29.1021, 0.2127, 0.1797



15.5979, 0.3103, 0.2834



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.



37.7770, 0.3017, 0.1932



31.5904, 0.2982, 0.1713



38.4755, 0.3666, 0.2398



18.1661, 0.3116, 0.3054



11.7618, 0.2863, 0.1351



1.1787, 0.2905, 0.1374

Inverse Universe

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



35.7642, 0.4515, 0.3103



29.6181, 0.4979, 0.3087



78.0103, 0.2834, 0.4430



18.0278, 0.3273, 0.3258



11.1849, 0.6223, 0.3202



1.1009, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 37.7754, 0.3017, 0.1932 looks on a white background.

Color Contrast Check

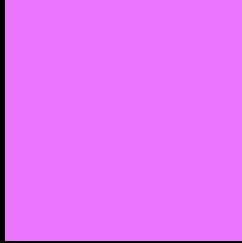
Large Text (above 18pt) WCAG AA × Fail

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 37.7754, 0.3017, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

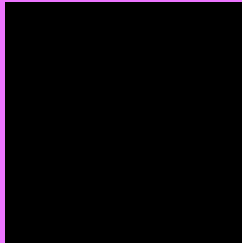
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7754, 0.3017, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 37.7754, 0.3017, 0.1932.



This preview shows how white text looks on a background with the Yxy color 37.7754, 0.3017, 0.1932.

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

37.7754, 0.3017, 0.1932

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.2312, 0.2304, 0.2250



Tritanopia

37.5076, 0.3857, 0.3160

Trichromacy



Original Color

37.7754, 0.3017, 0.1932



Protanomaly

36.2128, 0.2481, 0.2010



Deuteranomaly

36.3442, 0.2512, 0.2083

Tritanomaly

37.1427, 0.3528, 0.2642

Monochromacy



Original Color

37.7754, 0.3017, 0.1932



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.0025, 0.3090, 0.2649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7754, 0.3017, 0.1932 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(236, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 117, 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(236, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.7754, 0.3017, 0.1932 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(236, 117, 255) }
```

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

```
.border{ border-color:rgb(236, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 117,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7754, 0.3017, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 117, 255) }
```

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

```
.background{ background-color: rgb(236,  
117, 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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