

Converting Colors

$Y_{xy}(37.8161, 0.3216, 0.1912)$

Have a look what the booklet for
Yxy(37.8161, 0.3216, 0.1912)
contains.

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Color

Yxy(37.7910, 0.3220, 0.1915)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FC
RGB	255, 102, 252
RGB Percent	100%, 40%, 99%
CMY	0.0002, 0.5997, 0.0119
CMYK	0.00, 0.60, 0.01, 0.00
HSL	301°, 100%, 70%
HSV	301°, 60%, 100%
XYZ	63.5441, 37.7910, 96.0069
YIQ	164.8470, 43.0380, 79.0860

Conversions

Conversions Part 2

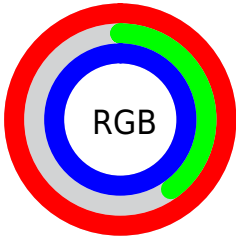
Format	Color
R _Y B	255, 102, 252
Decimal	16738044
CIE Lab	67.87, 75.71, -47.19
CIE LCh	68, 89.210, 328.067
Yxy	37.7910, 0.3220, 0.1915
Android (android.graphics.Color)	4294928124 (0xFFFF66FC)
YUV	164.8470, 42.9664, 79.0642
Hunter-Lab	61.4744, 76.9297, -49.5634

Details

The Yxy color **37.7910, 0.3220, 0.1915** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.3410, 0.3025, 0.5205**, and the grayscale version is **37.3345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.6863, 0.3205, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **33.4933, 0.3233, 0.1766**, and if you desaturate by 10%, it is **43.6328, 0.3205, 0.2102**.

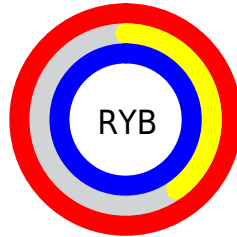
Distribution



Red (100%)

Green (40%)

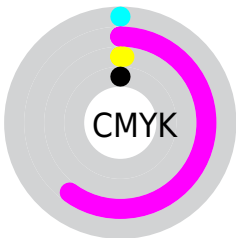
Blue (99%)



Red (100%)

Yellow (40%)

Blue (99%)

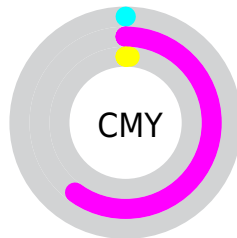


Cyan (0%)

Magenta (60%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7910, 0.3220, 0.1915 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 37.7910, 0.3220, 0.1915 by changing the saturation by 10% instead.


 37.7910, 0.3220,
0.1915


 37.7910, 0.3220,
0.1915


336.7226, 0.3206,
0.2527

 25.8205, 0.3216,
0.1784


 71.7877, 0.3221,
0.2121


 16.6894, 0.3206,
0.1628


 94.5827, 0.3220,
0.2203

 10.0133, 0.3189,
0.1439


 121.7546, 0.3218,
0.2274

 5.4078, 0.3155,
0.1209

 153.6879, 0.3216,
0.2337

 2.4885, 0.3092,
0.0929

190.7670, 0.3213,
0.2393

 0.8708, 0.2970,
0.0597

233.3762, 0.3211,

 0.0000, 0.2788,

0.2443

0.0000

281.8999, 0.3209,
0.2487

■ 0.0000, 0.2119,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7910, 0.3220,
0.1915

■ 37.7910, 0.3220,
0.1915

■ 33.4933, 0.3233,
0.1766

■ 43.6328, 0.3205,
0.2102

■ 30.5882, 0.3244,
0.1659


■ 51.1415, 0.3190,
0.2319


■ 28.9028, 0.3253,
0.1596

■ 60.4333, 0.3173,
0.2555

■ 28.1530, 0.3260,
0.1569

■ 71.6126, 0.3157,
0.2802

 28.1511, 0.3260,
0.1569

 84.7759, 0.3142,
0.3049

99.9886, 0.3127,
0.3290

99.9914, 0.3127,
0.3290

Harmonies

Analogous

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



37.7910, 0.2087, 0.1579



37.7910, 0.3220, 0.1915



37.7910, 0.4604, 0.2500

Triad

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



37.7910, 0.3220, 0.1915



37.7910, 0.4786, 0.4912



37.7910, 0.1199, 0.2636

Complementary

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



37.7910, 0.3220, 0.1915



75.3410, 0.3025, 0.5205

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.



37.7910, 0.1673, 0.4118



37.7910, 0.3220, 0.1915



37.7910, 0.3731, 0.5684

Square

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



37.7910, 0.3220, 0.1915



37.7910, 0.5513, 0.4014



37.7910, 0.2605, 0.5548



37.7910, 0.1141, 0.1826

Rectangle

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



37.7910, 0.3220, 0.1915



37.7910, 0.5316, 0.2972



37.7910, 0.2605, 0.5548



37.7910, 0.1304, 0.3061

Sweetspot

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



37.7927, 0.3220, 0.1915



74.0722, 0.3154, 0.2850



19.7125, 0.1969, 0.1358



15.0907, 0.3159, 0.2778



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.



37.7927, 0.3220, 0.1915



32.8080, 0.3235, 0.1740



33.9001, 0.4062, 0.2559



18.2939, 0.3141, 0.3060



14.7183, 0.3259, 0.1569



1.4350, 0.3253, 0.1566

Inverse Universe

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



37.7927, 0.3220, 0.1915



32.8080, 0.3235, 0.1740



77.6584, 0.2704, 0.4235



18.2939, 0.3141, 0.3060



14.7183, 0.3259, 0.1569



1.4350, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 37.7910, 0.3220, 0.1915 looks on a white background.

Color Contrast Check

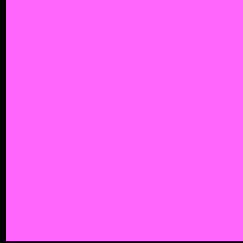
Large Text (above 18pt) WCAG AA × Fail

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 37.7910, 0.3220, 0.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

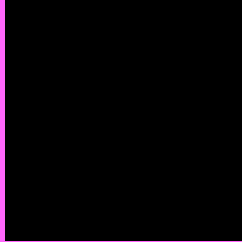
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7910, 0.3220, 0.1915

Background



This preview shows how black text looks on a background with the Yxy color 37.7910, 0.3220, 0.1915.



This preview shows how white text looks on a background with the Yxy color 37.7910, 0.3220, 0.1915.

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

37.7910, 0.3220, 0.1915

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.0301, 0.2351, 0.2285



Tritanopia

37.6053, 0.4238, 0.3195

Trichromacy



Original Color

37.7910, 0.3220, 0.1915



Protanomaly

35.4356, 0.2532, 0.1980



Deuteranomaly

35.1686, 0.2599, 0.2053



Tritanomaly

37.0706, 0.3856, 0.2659

Monochromacy



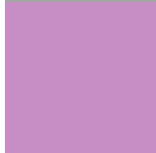
Original Color

37.7910, 0.3220, 0.1915



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.3830, 0.3169, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7910, 0.3220, 0.1915 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 252) }
```

Border

The CSS property to change the border of an element to Yxy 37.7910, 0.3220, 0.1915 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, 252) }
```

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

```
.border{ border-color:rgb(255, 102, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7910, 0.3220, 0.1915 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
102, 252) }
```

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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