

Converting Colors

$Yxy(37.0205, 0.3186, 0.2045)$

Have a look what the booklet for
Yxy(37.0205, 0.3186, 0.2045)
contains.

Yxy(37.0780, 0.3186, 0.2044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.0780, 0.3186, 0.2044)

Conversions

Conversions Part 1

Format	Color
Hex	F073F0
RGB	240, 115, 240
RGB Percent	94%, 45%, 94%
CMY	0.0588, 0.5490, 0.0589
CMYK	0.00, 0.52, 0.00, 0.06
HSL	300°, 81%, 70%
HSV	300°, 52%, 94%
XYZ	57.7938, 37.0780, 86.5274
YIQ	166.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

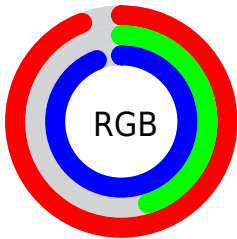
Format	Color
R _Y B	240, 115, 240
Decimal	15758320
CIE _{Lab}	67.34, 64.39, -41.57
CIE _{LCh}	67, 76.643, 327.154
Yxy	37.0780, 0.3186, 0.2044
Android (android.graphics.Color)	4293948400 (0xFFFF073F0)
YUV	166.6250, 36.1739, 64.3499
Hunter-Lab	60.8917, 62.8582, -41.6272

Details

The Yxy color **37.0780, 0.3186, 0.2044** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **67.2120, 0.3049, 0.4958**, and the grayscale version is **38.2616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.2688, 0.3172, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **32.2995, 0.3195, 0.1862**, and if you desaturate by 10%, it is **43.2845, 0.3176, 0.2257**.

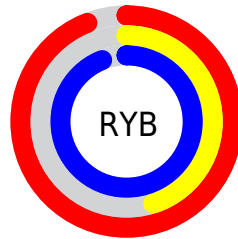
Distribution



Red (94%)

Green (45%)

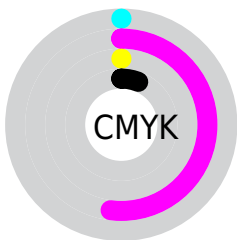
Blue (94%)



Red (94%)

Yellow (45%)

Blue (94%)

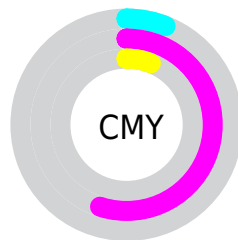


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (6%)



Cyan (6%)


Magenta (55%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0780, 0.3186, 0.2044 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 37.0780, 0.3186, 0.2044 by changing the saturation by 10% instead.

 37.0780, 0.3186,
0.2044


 37.0780, 0.3186,
0.2044


333.6481, 0.3182,
0.2613


 25.2679, 0.3180,
0.1919


 70.6927, 0.3190,
0.2238

 16.2768, 0.3170,
0.1767


 93.2661, 0.3190,
0.2315

 9.7202, 0.3151,
0.1580


 120.1961, 0.3189,
0.2381

 5.2138, 0.3116,
0.1348

151.8670, 0.3188,
0.2439

 2.3733, 0.3052,
0.1057

188.6633, 0.3187,
0.2490

 0.8121, 0.2924,
0.0695

230.9693, 0.3185,

 0.0000, 0.2731,

0.2536

0.0000

279.1694, 0.3184,
0.2576

■ 0.0000, 0.1423,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0780, 0.3186,
0.2044

■ 37.0780, 0.3186,
0.2044

■ 32.2995, 0.3195,
0.1862

■ 43.2845, 0.3176,
0.2257

■ 28.8308, 0.3201,
0.1720


■ 51.0150, 0.3165,
0.2493


■ 26.5437, 0.3206,
0.1620

■ 60.3627, 0.3153,
0.2741

■ 25.2811, 0.3209,
0.1563


■ 71.4123, 0.3141,
0.2992

 24.8151, 0.3210,
0.1542

 84.2424, 0.3130,
0.3240

 96.3400, 0.3120,
0.3438

 96.3405, 0.3120,
0.3438

 96.3409, 0.3120,
0.3438

 96.3414, 0.3120,
0.3438

Harmonies

Analogous

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



37.0780, 0.2185, 0.1740



37.0780, 0.3186, 0.2044



37.0780, 0.4379, 0.2581

Triad

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



37.0780, 0.3186, 0.2044



37.0780, 0.4689, 0.4780



37.0780, 0.1404, 0.2779

Complementary

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



37.0780, 0.3186, 0.2044



67.2120, 0.3049, 0.4958

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.



37.0780, 0.1877, 0.4052



37.0780, 0.3186, 0.2044



37.0780, 0.3764, 0.5385

Square

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



37.0780, 0.3186, 0.2044



37.0780, 0.5274, 0.3995



37.0780, 0.2742, 0.5218



37.0780, 0.1324, 0.2015

Rectangle

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



37.0780, 0.3186, 0.2044



37.0780, 0.5010, 0.3021



37.0780, 0.2742, 0.5218



37.0780, 0.1514, 0.3157

Sweetspot

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



37.0797, 0.3186, 0.2044



76.6736, 0.3146, 0.2893



22.1996, 0.2122, 0.1628



15.8510, 0.3148, 0.2841



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.



37.0797, 0.3186, 0.2044



36.5445, 0.3195, 0.1844



33.9846, 0.3856, 0.2618



16.0314, 0.3138, 0.3057



13.5825, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Inverse Universe

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



37.0797, 0.3186, 0.2044



36.5445, 0.3195, 0.1844



69.1678, 0.2749, 0.4113



16.0314, 0.3138, 0.3057



13.5825, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.0780, 0.3186, 0.2044 looks on a white background.

Color Contrast Check

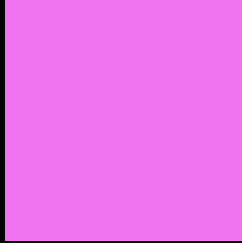
Large Text (above 18pt) WCAG AA × Fail

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 37.0780, 0.3186, 0.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

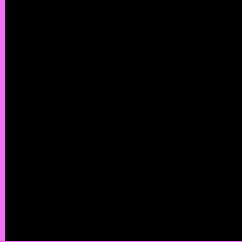
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0780, 0.3186, 0.2044

Background



This preview shows how black text looks on a background with the Yxy color 37.0780, 0.3186, 0.2044.

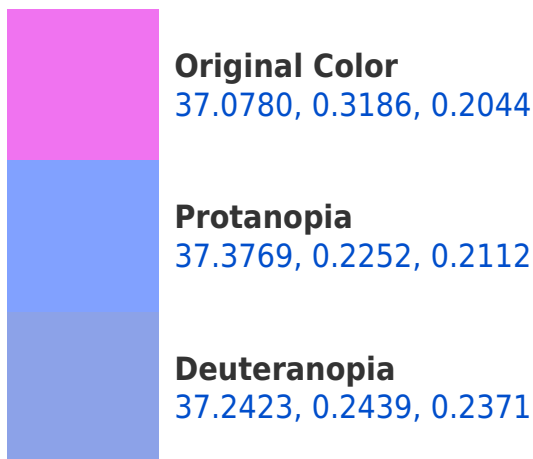


This preview shows how white text looks on a background with the Yxy color 37.0780, 0.3186, 0.2044.

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





Tritanopia

36.9731, 0.4016, 0.3176

Trichromacy



Original Color

37.0780, 0.3186, 0.2044



Protanomaly

35.2837, 0.2508, 0.2030



Deuteranomaly

35.4791, 0.2661, 0.2194



Tritanomaly

36.6251, 0.3706, 0.2719

Monochromacy



Original Color

37.0780, 0.3186, 0.2044



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.5442, 0.3154, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0780, 0.3186, 0.2044 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(240, 115, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 115, 240)  
}
```

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(240, 115, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 115, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.0780, 0.3186, 0.2044 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(240, 115, 240) }
```

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

```
.border{ border-color:rgb(240, 115, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 115, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 115, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 115, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 115,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0780, 0.3186, 0.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 115, 240) }
```

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

```
.background{ background-color: rgb(240,  
115, 240) }
```

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