

Converting Colors

$Y_{xy}(33.0880, 0.3335, 0.2019)$

Have a look what the booklet for
Yxy(33.0880, 0.3335, 0.2019)
contains.

Yxy(32.9822, 0.3331, 0.2015)	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(32.9822, 0.3331, 0.2015)

Conversions

Conversions Part 1

Format	Color
Hex	F162E3
RGB	241, 98, 227
RGB Percent	95%, 38%, 89%
CMY	0.0547, 0.6159, 0.1097
CMYK	0.00, 0.59, 0.06, 0.05
HSL	306°, 84%, 66%
HSV	306°, 59%, 95%
XYZ	54.5229, 32.9822, 76.1782
YIQ	155.4630, 43.8190, 70.4350

Conversions

Conversions Part 2

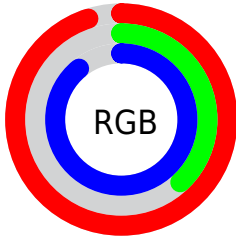
Format	Color
R _{YB}	241, 98, 227
Decimal	15819491
CIE _{Lab}	64.15, 69.99, -39.37
CIE _{LCh}	64, 80.301, 330.644
Y _{xy}	32.9822, 0.3331, 0.2015
Android (android.graphics.Color)	4294009571 (0xFFFF162E3)
YUV	155.4630, 35.2677, 75.0159
Hunter-Lab	57.4301, 68.9613, -38.4442

Details

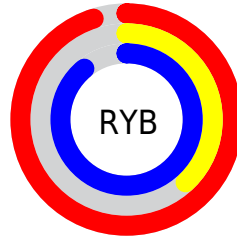
The Yxy color **32.9822, 0.3331, 0.2015** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **66.7044, 0.2981, 0.5044**, and the grayscale version is **32.8154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **13.9731, 0.3358, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **29.0047, 0.3370, 0.1870**, and if you desaturate by 10%, it is **38.3221, 0.3292, 0.2195**.

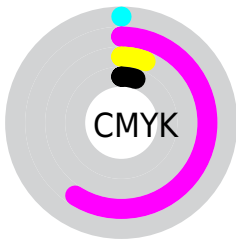
Distribution



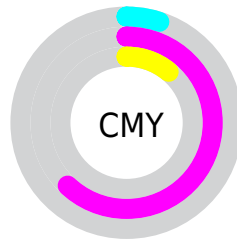
- Red (95%)
- Green (38%)
- Blue (89%)



- Red (95%)
- Yellow (38%)
- Blue (89%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (5%)



- Cyan (5%)
- Magenta (62%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9822, 0.3331, 0.2015 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 32.9822, 0.3331, 0.2015 by changing the saturation by 10% instead.


 32.9822, 0.3331,
0.2015


 32.9822, 0.3331,
0.2015


315.5695, 0.3255,
0.2606


 22.1128, 0.3342,
0.1883


 64.3477, 0.3309,
0.2218

 13.9398, 0.3353,
0.1722


 85.6127, 0.3299,
0.2298

 8.0788, 0.3361,
0.1524


 111.1116, 0.3290,
0.2367

 4.1454, 0.3360,
0.1276

 141.2289, 0.3282,
0.2427

 1.7552, 0.3338,
0.0964

176.3489, 0.3274,
0.2480

 0.4590, 0.3284,
0.0514

216.8561, 0.3268,

 0.0000, 0.3089,

0.2526

0.0000

263.1348, 0.3261,
0.2568

■ 0.0000, 0.0458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.9822, 0.3331,
0.2015

■ 32.9822, 0.3331,
0.2015

■ 29.0047, 0.3370,
0.1870

■ 38.3221, 0.3292,
0.2195

■ 26.2587, 0.3408,
0.1767

■ 45.1302, 0.3253,
0.2402

■ 24.5961, 0.3443,
0.1709

■ 53.5075, 0.3217,
0.2624

■ 23.7821, 0.3475,
0.1690

■ 63.5443, 0.3183,
0.2854

 23.7409, 0.3477,
0.1689

 75.3245, 0.3153,
0.3082

 88.9261, 0.3126,
0.3304

 96.7350, 0.3106,
0.3402

 96.8792, 0.3093,
0.3379

 97.0252, 0.3079,
0.3356

Harmonies

Analogous

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



32.9822, 0.2215, 0.1665



32.9822, 0.3331, 0.2015



32.9822, 0.4625, 0.2600

Triad

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



32.9822, 0.3331, 0.2015



32.9822, 0.4661, 0.4943



32.9822, 0.1261, 0.2592

Complementary

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



32.9822, 0.3331, 0.2015



66.7044, 0.2981, 0.5044

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.



32.9822, 0.1692, 0.3937



32.9822, 0.3331, 0.2015



32.9822, 0.3643, 0.5595

Square

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



32.9822, 0.3331, 0.2015



32.9822, 0.5374, 0.4090



32.9822, 0.2563, 0.5319



32.9822, 0.1228, 0.1857

Rectangle

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



32.9822, 0.3331, 0.2015



32.9822, 0.5258, 0.3065



32.9822, 0.2563, 0.5319



32.9822, 0.1355, 0.2976

Sweetspot

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



32.9837, 0.3331, 0.2015



73.8435, 0.3179, 0.2884



18.3882, 0.2044, 0.1410



15.0340, 0.3188, 0.2817



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.



32.9837, 0.3331, 0.2015



32.2797, 0.3377, 0.1848



29.8908, 0.4172, 0.2665



16.0031, 0.3153, 0.3080



12.8794, 0.3472, 0.1687



1.0791, 0.3433, 0.1665

Inverse Universe

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



32.9837, 0.3331, 0.2015



32.2797, 0.3377, 0.1848



68.8886, 0.2661, 0.4085



16.0031, 0.3153, 0.3080



12.8794, 0.3472, 0.1687



1.0791, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 32.9822, 0.3331, 0.2015 looks on a white background.

Color Contrast Check

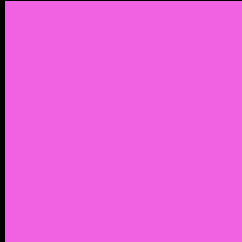
Large Text (above 18pt) WCAG AA × Fail

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 32.9822, 0.3331, 0.2015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

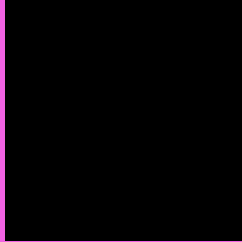
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9822, 0.3331, 0.2015

Background



This preview shows how black text looks on a background with the Yxy color 32.9822, 0.3331, 0.2015.

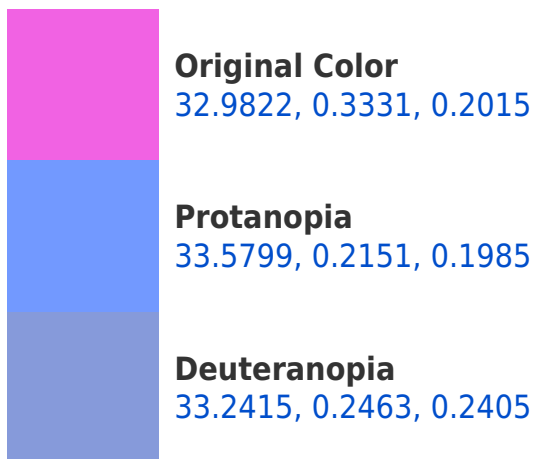


This preview shows how white text looks on a background with the Yxy color 32.9822, 0.3331, 0.2015.

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

32.6549, 0.4287, 0.3190

Trichromacy



Original Color

32.9822, 0.3331, 0.2015



Protanomaly

30.8412, 0.2453, 0.1922



Deuteranomaly

31.1549, 0.2727, 0.2189



Tritanomaly

32.3171, 0.3925, 0.2703

Monochromacy



Original Color

32.9822, 0.3331, 0.2015



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.8255, 0.3209, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9822, 0.3331, 0.2015 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(241, 98, 227)` looks like.

```
.text, #text, p{  
    color:rgb(241, 98, 227)  
}
```

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(241, 98, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 98, 227) }
```

Border

The CSS property to change the border of an element to Yxy 32.9822, 0.3331, 0.2015 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(241, 98, 227) }
```

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

```
.border{ border-color:rgb(241, 98, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 98, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 98, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 98, 227);  
box-shadow:4px 4px 4px 4px rgb(241, 98,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9822, 0.3331, 0.2015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 98, 227) }
```

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

```
.background{ background-color: rgb(241, 98,  
227) }
```

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