

Converting Colors

$Y_{xy}(36.4408, 0.3120, 0.1994)$

Have a look what the booklet for
Yxy(36.4408, 0.3120, 0.1994)
contains.

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Color

Yxy(36.3991, 0.3112, 0.1990)

Conversions

Conversions Part 1

Format	Color
Hex	EC72F4
RGB	236, 114, 244
RGB Percent	93%, 45%, 96%
CMY	0.0747, 0.5527, 0.0433
CMYK	0.03, 0.53, 0.00, 0.04
HSL	296°, 85%, 70%
HSV	296°, 53%, 96%
XYZ	56.9216, 36.3991, 89.5893
YIQ	165.2980, 30.9820, 66.2940

Conversions

Conversions Part 2

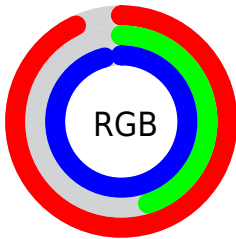
Format	Color
R _Y B	236, 114, 244
Decimal	15495924
CIE Lab	66.82, 64.45, -44.61
CIE LCh	67, 78.387, 325.311
Yxy	36.3991, 0.3112, 0.1990
Android (android.graphics.Color)	4293686004 (0xFFEC72F4)
YUV	165.2980, 38.8001, 62.0057
Hunter-Lab	60.3317, 62.8304, -45.8104

Details

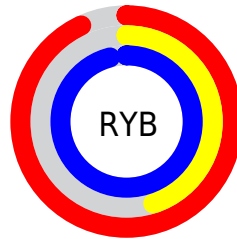
The Yxy color **36.3991, 0.3112, 0.1990** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **70.0427, 0.3087, 0.4981**, and the grayscale version is **37.5824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **15.8612, 0.3072, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **31.3518, 0.3102, 0.1800**, and if you desaturate by 10%, it is **42.9194, 0.3119, 0.2211**.

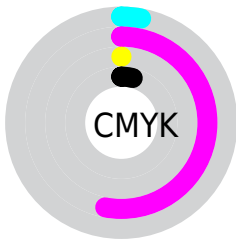
Distribution



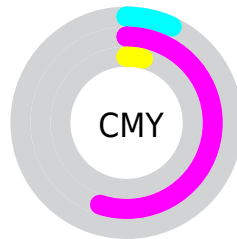
- Red (93%)
- Green (45%)
- Blue (96%)



- Red (93%)
- Yellow (45%)
- Blue (96%)



- Cyan (3%)
- Magenta (53%)
- Yellow (0%)
- Black (4%)





- Cyan (7%)
- Magenta (55%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3991, 0.3112, 0.1990 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 36.3991, 0.3112, 0.1990 by changing the saturation by 10% instead.

 36.3991, 0.3112,
0.1990


 36.3991, 0.3112,
0.1990

330.7016, 0.3147,
0.2581

 24.7426, 0.3097,
0.1860


 69.6476, 0.3130,
0.2191

 15.8854, 0.3074,
0.1704


 92.0084, 0.3135,
0.2271

 9.4431, 0.3038,
0.1513

 118.7061, 0.3139,
0.2340

 5.0313, 0.2981,
0.1277

150.1251, 0.3142,
0.2400

 2.2656, 0.2886,
0.0984

186.6497, 0.3144,
0.2454

 0.7554, 0.2714,
0.0625

228.6644, 0.3145,

 0.0000, 0.2440,

0.2501

0.0000

276.5536, 0.3146,
0.2543

0.0000, 0.1019,
0.0000

0.0000, 0.0000,
0.0000

36.3991, 0.3112,
0.1990

36.3991, 0.3112,
0.1990

31.3518, 0.3102,
0.1800

42.9194, 0.3119,
0.2211

27.6531, 0.3091,
0.1650


51.0143, 0.3124,
0.2453

25.1666, 0.3077,
0.1543

60.7819, 0.3127,
0.2706

23.7245, 0.3063,
0.1479

72.3108, 0.3128,
0.2961

 23.1723, 0.3052,
0.1455

 85.6837, 0.3128,
0.3211

 97.4600, 0.3128,
0.3398

 97.7320, 0.3138,
0.3397

 98.0063, 0.3147,
0.3397

 98.2828, 0.3157,
0.3397

Harmonies

Analogous

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



36.3991, 0.2112, 0.1697



36.3991, 0.3112, 0.1990



36.3991, 0.4343, 0.2523

Triad

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



36.3991, 0.3112, 0.1990



36.3991, 0.4766, 0.4753



36.3991, 0.1383, 0.2826

Complementary

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



36.3991, 0.3112, 0.1990



70.0427, 0.3087, 0.4981

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.



36.3991, 0.1886, 0.4164



36.3991, 0.3112, 0.1990



36.3991, 0.3830, 0.5416

Square

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



36.3991, 0.3112, 0.1990



36.3991, 0.5342, 0.3948



36.3991, 0.2786, 0.5328



36.3991, 0.1282, 0.2014

Rectangle

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



36.3991, 0.3112, 0.1990



36.3991, 0.5016, 0.2966



36.3991, 0.2786, 0.5328



36.3991, 0.1502, 0.3226

Sweetspot

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



36.4007, 0.3112, 0.1990



76.1997, 0.3128, 0.2890



24.2063, 0.2118, 0.1691



15.7366, 0.3128, 0.2838



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.



36.4007, 0.3112, 0.1990



34.2383, 0.3101, 0.1785



34.8914, 0.3777, 0.2517



16.7131, 0.3128, 0.3056



12.6257, 0.3055, 0.1456



1.1252, 0.3075, 0.1468

Inverse Universe

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



32.6817, 0.4601, 0.3210



29.8366, 0.5097, 0.3206



71.1801, 0.2785, 0.4256



16.4991, 0.3284, 0.3276



10.4832, 0.6336, 0.3264



0.9271, 0.6179, 0.3177

Previews

White Background



This preview shows how the Yxy color 36.3991, 0.3112, 0.1990 looks on a white background.

Color Contrast Check

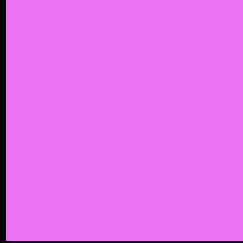
Large Text (above 18pt) WCAG AA × Fail

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 36.3991, 0.3112, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

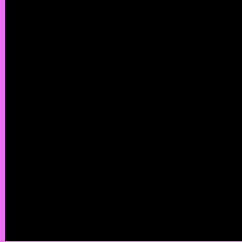
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3991, 0.3112, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 36.3991, 0.3112, 0.1990.

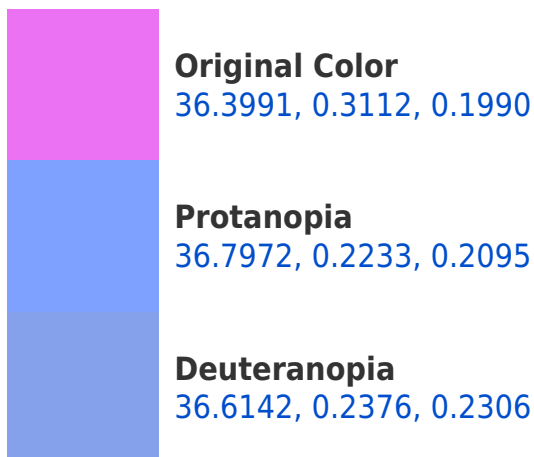


This preview shows how white text looks on a background with the Yxy color 36.3991, 0.3112, 0.1990.

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

36.1942, 0.3953, 0.3162

Trichromacy



Original Color

36.3991, 0.3112, 0.1990



Protanomaly

34.7169, 0.2478, 0.2002



Deuteranomaly

34.8364, 0.2593, 0.2133



Tritanomaly

35.6552, 0.3624, 0.2664

Monochromacy



Original Color

36.3991, 0.3112, 0.1990



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.5292, 0.3127, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3991, 0.3112, 0.1990 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, 114, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 114, 244)  
}
```

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, 114, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 114, 244) }
```

Border

The CSS property to change the border of an element to Yxy 36.3991, 0.3112, 0.1990 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, 114, 244) }
```

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

```
.border{ border-color:rgb(236, 114, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 114, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 114, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 114, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 114,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3991, 0.3112, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 114, 244) }
```

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

```
.background{ background-color: rgb(236,  
114, 244) }
```

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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