

Converting Colors

$Y_{xy}(40.2881, 0.3222, 0.2210)$

Have a look what the booklet for
Yxy(40.2881, 0.3222, 0.2210)
contains.

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Color

Yxy(40.2239, 0.3225, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	F081EB
RGB	240, 129, 235
RGB Percent	94%, 51%, 92%
CMY	0.0588, 0.4941, 0.0785
CMYK	0.00, 0.46, 0.02, 0.06
HSL	303°, 79%, 72%
HSV	303°, 46%, 94%
XYZ	58.7776, 40.2239, 83.2545
YIQ	174.2730, 32.1300, 56.4980

Conversions

Conversions Part 2

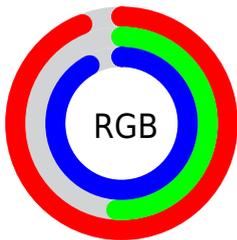
Format	Color
R _Y B	240, 129, 235
Decimal	15761899
CIE Lab	69.63, 56.90, -35.25
CIE LCh	70, 66.930, 328.220
Yxy	40.2239, 0.3225, 0.2207
Android (android.graphics.Color)	4293951979 (0xFFFF081EB)
YUV	174.2730, 29.9384, 57.6426
Hunter-Lab	63.4223, 54.4384, -33.4344

Details

The Yxy color **40.2239, 0.3225, 0.2207** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.7065, 0.3035, 0.4683**, and the grayscale version is **42.3077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **18.0973, 0.3229, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **34.5653, 0.3248, 0.2011**, and if you desaturate by 10%, it is **47.3711, 0.3202, 0.2428**.

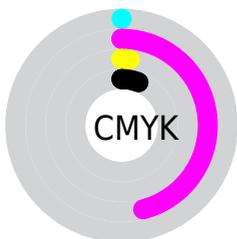
Distribution



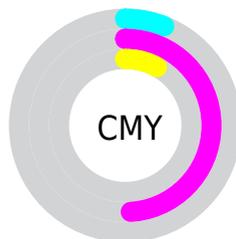
- Red (94%)
- Green (51%)
- Blue (92%)



- Red (94%)
- Yellow (51%)
- Blue (92%)



- Cyan (0%)
- Magenta (46%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2239, 0.3225, 0.2207 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 40.2239, 0.3225, 0.2207 by changing the saturation by 10% instead.

 40.2239, 0.3225,
0.2207

 40.2239, 0.3225,
0.2207

347.0664, 0.3196,
0.2705

 27.7132, 0.3227,
0.2095

 75.5043, 0.3218,
0.2378

 18.1095, 0.3227,
0.1959

 99.0428, 0.3215,
0.2446

 11.0287, 0.3224,
0.1791

 127.0260, 0.3211,
0.2504

 6.0861, 0.3211,
0.1576

159.8383, 0.3208,
0.2554

 2.8975, 0.3181,
0.1300

197.8641, 0.3205,
0.2599

 1.0785, 0.3109,
0.0941

241.4878, 0.3201,

 0.0000, 0.3082,

0.2638

0.0000

291.0937, 0.3199,
0.2674

0.0000, 0.1940,
0.0000

0.0000, 0.0000,
0.0000

40.2239, 0.3225,
0.2207

40.2239, 0.3225,
0.2207

34.5653, 0.3248,
0.2011

47.3711, 0.3202,
0.2428

30.2844, 0.3269,
0.1849

56.0966, 0.3180,
0.2664

27.2635, 0.3289,
0.1727

66.4897, 0.3158,
0.2905

25.3631, 0.3307,
0.1649

78.6312, 0.3139,
0.3144

 24.4094, 0.3322,
0.1614

 92.5969, 0.3121,
0.3376

 24.1909, 0.3327,
0.1607

 96.4240, 0.3112,
0.3423

 96.4890, 0.3106,
0.3413

 96.5544, 0.3099,
0.3402

 96.6203, 0.3093,
0.3391

Harmonies

Analogous

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



40.2239, 0.2339, 0.1923



40.2239, 0.3225, 0.2207



40.2239, 0.4232, 0.2701

Triad

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



40.2239, 0.3225, 0.2207



40.2239, 0.4507, 0.4663



40.2239, 0.1605, 0.2846

Complementary

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



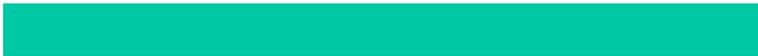
40.2239, 0.3225, 0.2207



68.7065, 0.3035, 0.4683

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.



40.2239, 0.2034, 0.3898



40.2239, 0.3225, 0.2207



40.2239, 0.3702, 0.5096

Square

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



40.2239, 0.3225, 0.2207



40.2239, 0.4994, 0.3996



40.2239, 0.2798, 0.4865



40.2239, 0.1529, 0.2175

Rectangle

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



40.2239, 0.3225, 0.2207



40.2239, 0.4756, 0.3106



40.2239, 0.2798, 0.4865



40.2239, 0.1706, 0.3165

Sweetspot

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



40.2257, 0.3225, 0.2207



79.1965, 0.3154, 0.2958



26.9581, 0.2274, 0.1846



16.3424, 0.3158, 0.2906



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.



40.2257, 0.3225, 0.2207



40.2838, 0.3245, 0.2030



37.5563, 0.3782, 0.2726



16.0184, 0.3145, 0.3068



13.2488, 0.3325, 0.1605



1.1060, 0.3309, 0.1596

Inverse Universe

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



40.2257, 0.3225, 0.2207



40.2838, 0.3245, 0.2030



70.6243, 0.2760, 0.3953



16.0184, 0.3145, 0.3068



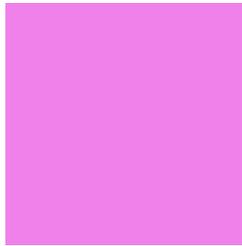
13.2488, 0.3325, 0.1605



1.1060, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 40.2239, 0.3225, 0.2207 looks on a white background.

Color Contrast Check

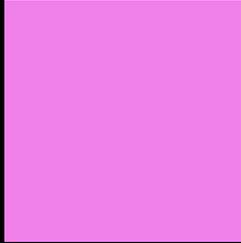
Large Text (above 18pt) WCAG AA × Fail

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 40.2239, 0.3225, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

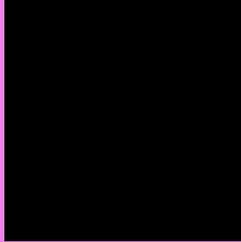
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2239, 0.3225, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 40.2239, 0.3225, 0.2207.

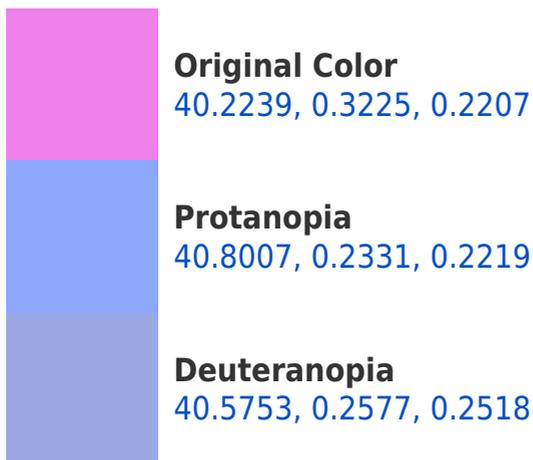


This preview shows how white text looks on a background with the Yxy color 40.2239, 0.3225, 0.2207.

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

40.1591, 0.3880, 0.3165

Trichromacy



Original Color

40.2239, 0.3225, 0.2207



Protanomaly

39.1186, 0.2586, 0.2180



Deuteranomaly

39.3198, 0.2780, 0.2364



Tritanomaly

39.7938, 0.3639, 0.2776

Monochromacy



Original Color

40.2239, 0.3225, 0.2207



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.4450, 0.3168, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2239, 0.3225, 0.2207 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, 129, 235)` looks like.

```
.text, #text, p{  
    color:rgb(240, 129, 235)  
}
```

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, 129, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 129, 235) }
```

Border

The CSS property to change the border of an element to Yxy 40.2239, 0.3225, 0.2207 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, 129, 235) }
```

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

```
.border{ border-color:rgb(240, 129, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 129, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 129, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 129, 235);  
box-shadow:4px 4px 4px 4px rgb(240, 129,  
235) }
```

Background

The CSS property to change the background color of an element to Yxy 40.2239, 0.3225, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 129, 235) }
```

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

```
.background{ background-color: rgb(240,  
129, 235) }
```

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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