

Converting Colors

$Y_{xy}(41.0191, 0.3164, 0.2374)$

Have a look what the booklet for
Yxy(41.0191, 0.3164, 0.2374)
contains.

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Color

Yxy(40.8445, 0.3161, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	E18EE2
RGB	225, 142, 226
RGB Percent	88%, 56%, 89%
CMY	0.1176, 0.4431, 0.1137
CMYK	0.00, 0.37, 0.00, 0.11
HSL	299°, 59%, 72%
HSV	299°, 37%, 89%
XYZ	54.4536, 40.8445, 76.9689
YIQ	176.3930, 22.5040, 43.7200

Conversions

Conversions Part 2

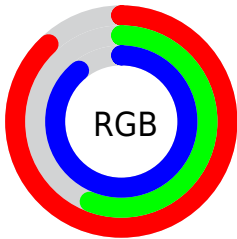
Format	Color
R_{YB}	225, 142, 226
Decimal	14782178
CIE _{Lab}	70.07, 44.29, -29.77
CIE _{LCh}	70, 53.369, 326.094
Yxy	40.8445, 0.3161, 0.2371
Android (android.graphics.Color)	4292972258 (0xFFE18EE2)
YUV	176.3930, 24.4563, 42.6283
Hunter-Lab	63.9097, 40.2471, -26.6684

Details

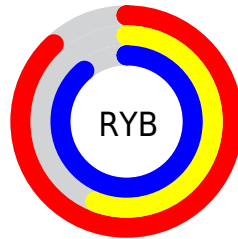
The Yxy color **40.8445, 0.3161, 0.2371** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.1886, 0.3081, 0.4414**, and the grayscale version is **43.4940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **18.3719, 0.3155, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **34.7460, 0.3168, 0.2144**, and if you desaturate by 10%, it is **48.3100, 0.3153, 0.2615**.

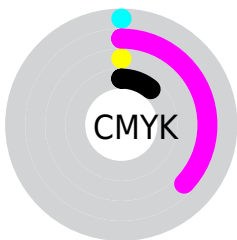
Distribution



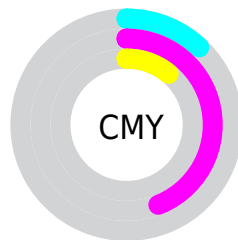
- Red (88%)
- Green (56%)
- Blue (89%)



- Red (88%)
- Yellow (56%)
- Blue (89%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8445, 0.3161, 0.2371 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 40.8445, 0.3161, 0.2371 by changing the saturation by 10% instead.

 40.8445, 0.3161,
0.2371


 40.8445, 0.3161,
0.2371


349.6703, 0.3158,
0.2802

 28.1976, 0.3158,
0.2272


 76.4478, 0.3163,
0.2521

 18.4747, 0.3153,
0.2150


 100.1730, 0.3162,
0.2580

 11.2913, 0.3142,
0.1996


128.3597, 0.3162,
0.2630

 6.2631, 0.3123,
0.1796

161.3923, 0.3161,
0.2673

 3.0057, 0.3084,
0.1530

199.6553, 0.3160,
0.2712

 1.1347, 0.3003,
0.1166

243.5331, 0.3159,

 0.0074, 0.3005,

0.2745

0.0020

293.4099, 0.3159,
0.2775

■ 0.0000, 0.0392,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8445, 0.3161,
0.2371

■ 40.8445, 0.3161,
0.2371

■ 34.7460, 0.3168,
0.2144

■ 48.3100, 0.3153,
0.2615

■ 29.9262, 0.3174,
0.1944

■ 57.2130, 0.3143,
0.2865

■ 26.2949, 0.3179,
0.1779

■ 67.6258, 0.3134,
0.3115

■ 23.7480, 0.3181,
0.1654

■ 79.6139, 0.3125,
0.3358

■ 22.1635, 0.3181,
0.1574

■ 93.2368, 0.3115,
0.3588

■ 21.3809, 0.3180,
0.1533

■ 93.2804, 0.3117,
0.3587

■ 21.2299, 0.3179,
0.1525

■ 93.3240, 0.3119,
0.3587

■ 93.3677, 0.3120,
0.3587

■ 93.4115, 0.3122,
0.3587

Harmonies

Analogous

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



40.8445, 0.2450, 0.2144



40.8445, 0.3161, 0.2371



40.8445, 0.3957, 0.2784

Triad

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



40.8445, 0.3161, 0.2371



40.8445, 0.4320, 0.4414



40.8445, 0.1891, 0.3013

Complementary

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



40.8445, 0.3161, 0.2371



62.1886, 0.3081, 0.4414

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.



40.8445, 0.2290, 0.3835



40.8445, 0.3161, 0.2371



40.8445, 0.3687, 0.4719

Square

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



40.8445, 0.3161, 0.2371



40.8445, 0.4655, 0.3885



40.8445, 0.2943, 0.4535



40.8445, 0.1793, 0.2425

Rectangle

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



40.8445, 0.3161, 0.2371



40.8445, 0.4385, 0.3129



40.8445, 0.2943, 0.4535



40.8445, 0.1990, 0.3272

Sweetspot

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



40.8463, 0.3161, 0.2371



83.3276, 0.3138, 0.3018



31.0078, 0.2450, 0.2185



17.4332, 0.3139, 0.2984



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.



40.8463, 0.3161, 0.2371



47.0514, 0.3167, 0.2185



39.0359, 0.3562, 0.2790



13.9269, 0.3136, 0.3059



12.1149, 0.3180, 0.1525



0.8425, 0.3185, 0.1528

Inverse Universe

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



37.4992, 0.4024, 0.3281



42.0307, 0.4331, 0.3279



63.5492, 0.2844, 0.3856



13.7032, 0.3290, 0.3288



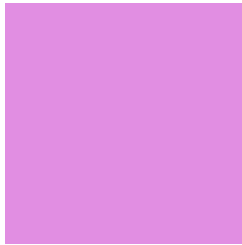
9.2289, 0.6387, 0.3292



0.6406, 0.6348, 0.3271

Previews

White Background



This preview shows how the Yxy color 40.8445, 0.3161, 0.2371 looks on a white background.

Color Contrast Check

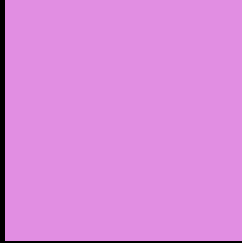
Large Text (above 18pt) WCAG AA × Fail

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 40.8445, 0.3161, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

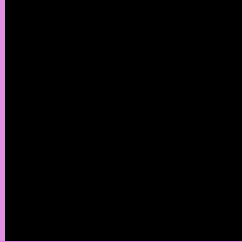
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8445, 0.3161, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 40.8445, 0.3161, 0.2371.

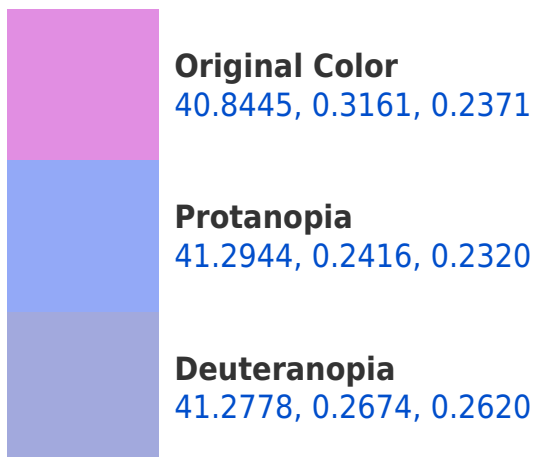


This preview shows how white text looks on a background with the Yxy color 40.8445, 0.3161, 0.2371.

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

40.6161, 0.3645, 0.3146

Trichromacy



Original Color

40.8445, 0.3161, 0.2371



Protanomaly

40.1422, 0.2642, 0.2323



Deuteranomaly

40.4383, 0.2834, 0.2506



Tritanomaly

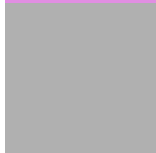
40.6592, 0.3462, 0.2844

Monochromacy



Original Color

40.8445, 0.3161, 0.2371



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.9153, 0.3145, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8445, 0.3161, 0.2371 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(225, 142, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 142, 226)  
}
```

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(225, 142, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 142, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.8445, 0.3161, 0.2371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

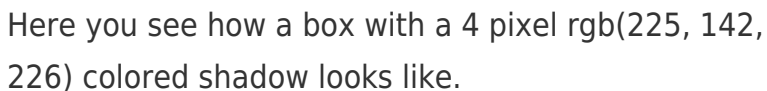
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 142, 226) }
```

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

```
.border{ border-color:rgb(225, 142, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 142, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 142, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 142, 226); box-shadow:4px 4px 4px 4px rgb(225, 142, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8445, 0.3161, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 142, 226) }
```

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

```
.background{ background-color: rgb(225,  
142, 226) }
```

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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