

Converting Colors

$Y_{xy}(40.8498, 0.3224, 0.2359)$

Have a look what the booklet for
Yxy(40.8498, 0.3224, 0.2359)
contains.

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Color

Yxy(40.8904, 0.3227, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	E78BE1
RGB	231, 139, 225
RGB Percent	91%, 55%, 88%
CMY	0.0942, 0.4548, 0.1178
CMYK	0.00, 0.40, 0.03, 0.09
HSL	304°, 66%, 73%
HSV	304°, 40%, 91%
XYZ	55.7706, 40.8904, 76.1640
YIQ	176.3120, 27.2260, 46.2500

Conversions

Conversions Part 2

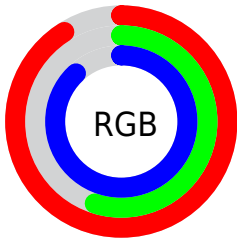
Format	Color
R _Y B	231, 139, 225
Decimal	15174625
CIE Lab	70.10, 47.48, -29.09
CIE LCh	70, 55.681, 328.501
Yxy	40.8904, 0.3227, 0.2366
Android (android.graphics.Color)	4293364705 (0xFFE78BE1)
YUV	176.3120, 24.0032, 47.9614
Hunter-Lab	63.9456, 43.7753, -25.8569

Details

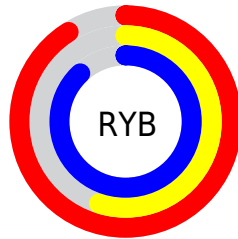
The Yxy color **40.8904, 0.3227, 0.2366** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.6795, 0.3037, 0.4431**, and the grayscale version is **43.4507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **18.5188, 0.3246, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **34.8117, 0.3256, 0.2156**, and if you desaturate by 10%, it is **48.3865, 0.3199, 0.2594**.

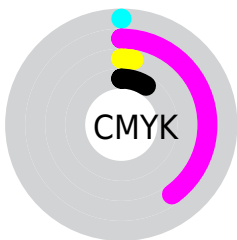
Distribution



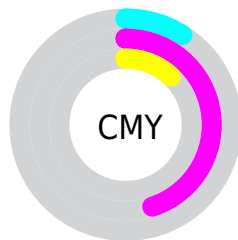
- Red (91%)
- Green (55%)
- Blue (88%)



- Red (91%)
- Yellow (55%)
- Blue (88%)



- Cyan (0%)
- Magenta (40%)
- Yellow (3%)
- Black (9%)




- Cyan (9%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8904, 0.3227, 0.2366 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 40.8904, 0.3227, 0.2366 by changing the saturation by 10% instead.


 40.8904, 0.3227,
0.2366

 40.8904, 0.3227,
0.2366


349.8623, 0.3191,
0.2799


 28.2335, 0.3232,
0.2267


 76.5175, 0.3217,
0.2517

 18.5017, 0.3237,
0.2145


 100.2564, 0.3212,
0.2575

 11.3108, 0.3239,
0.1990


 128.4581, 0.3208,
0.2625

 6.2763, 0.3238,
0.1791

161.5070, 0.3204,
0.2669

 3.0138, 0.3224,
0.1526

199.7875, 0.3200,
0.2708

 1.1389, 0.3181,
0.1164

243.6840, 0.3197,

 0.0110, 0.3258,

0.2741

0.0029

293.5808, 0.3194,
0.2772

■ 0.0000, 0.1224,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8904, 0.3227,
0.2366

■ 40.8904, 0.3227,
0.2366

■ 34.8117, 0.3256,
0.2156

■ 48.3865, 0.3199,
0.2594

■ 30.0553, 0.3284,
0.1973


■ 57.3765, 0.3173,
0.2829

■ 26.5228, 0.3312,
0.1826


■ 67.9378, 0.3149,
0.3065


■ 24.1002, 0.3338,
0.1722

■ 80.1410, 0.3127,
0.3294


 22.6516, 0.3362,
0.1661


 94.0523, 0.3107,
0.3513


 21.9485, 0.3383,
0.1638

 94.4489, 0.3098,
0.3502

 21.9377, 0.3383,
0.1637

 94.5361, 0.3090,
0.3486

 94.6241, 0.3081,
0.3471

 94.7129, 0.3073,
0.3455

Harmonies

Analogous

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



40.8904, 0.2473, 0.2115



40.8904, 0.3227, 0.2366



40.8904, 0.4053, 0.2804

Triad

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



40.8904, 0.3227, 0.2366



40.8904, 0.4317, 0.4489



40.8904, 0.1826, 0.2936

Complementary

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



40.8904, 0.3227, 0.2366



64.6795, 0.3037, 0.4431

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.



40.8904, 0.2210, 0.3787



40.8904, 0.3227, 0.2366



40.8904, 0.3642, 0.4788

Square

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



40.8904, 0.3227, 0.2366



40.8904, 0.4703, 0.3945



40.8904, 0.2870, 0.4553



40.8904, 0.1752, 0.2354

Rectangle

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



40.8904, 0.3227, 0.2366



40.8904, 0.4481, 0.3163



40.8904, 0.2870, 0.4553



40.8904, 0.1919, 0.3199

Sweetspot

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



40.8922, 0.3227, 0.2366



81.8783, 0.3154, 0.3012



30.1351, 0.2424, 0.2081



17.1419, 0.3157, 0.2981



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.



40.8922, 0.3227, 0.2366



44.6407, 0.3251, 0.2187



38.7695, 0.3671, 0.2821



14.5981, 0.3148, 0.3073



12.3077, 0.3380, 0.1636



0.9144, 0.3352, 0.1620

Inverse Universe

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



40.8922, 0.3227, 0.2366



44.6407, 0.3251, 0.2187



66.3343, 0.2793, 0.3822



14.5981, 0.3148, 0.3073



12.3077, 0.3380, 0.1636



0.9144, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 40.8904, 0.3227, 0.2366 looks on a white background.

Color Contrast Check

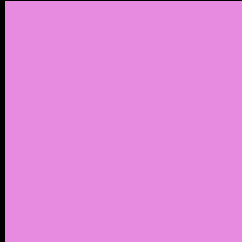
Large Text (above 18pt) WCAG AA × Fail

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 40.8904, 0.3227, 0.2366 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 40.8904, 0.3227, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 40.8904, 0.3227, 0.2366.



This preview shows how white text looks on a background with the Yxy color 40.8904, 0.3227, 0.2366.

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



Original Color

40.8904, 0.3227, 0.2366

Protanopia

41.2642, 0.2405, 0.2308

Deuteranopia

41.3298, 0.2689, 0.2632



Tritanopia

40.8248, 0.3730, 0.3149

Trichromacy



Original Color

40.8904, 0.3227, 0.2366



Protanomaly

40.0921, 0.2650, 0.2305



Deuteranomaly

40.4190, 0.2866, 0.2510



Tritanomaly

40.5814, 0.3546, 0.2841

Monochromacy



Original Color

40.8904, 0.3227, 0.2366



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.8252, 0.3164, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8904, 0.3227, 0.2366 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(231, 139, 225)` looks like.

```
.text, #text, p{  
    color:rgb(231, 139, 225)  
}
```

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(231, 139, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 139, 225) }
```

Border

The CSS property to change the border of an element to Yxy 40.8904, 0.3227, 0.2366 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(231, 139, 225) }
```

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

```
.border{ border-color:rgb(231, 139, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 139, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 139, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 139, 225);  
box-shadow:4px 4px 4px 4px rgb(231, 139,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8904, 0.3227, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 139, 225) }
```

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

```
.background{ background-color: rgb(231,  
139, 225) }
```

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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