

Converting Colors

$Y_{xy}(40.7494, 0.3244, 0.2304)$

Have a look what the booklet for
Yxy(40.7494, 0.3244, 0.2304)
contains.

Yxy(40.8180, 0.3239, 0.2304)	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(40.8180, 0.3239, 0.2304)

Conversions

Conversions Part 1

Format	Color
Hex	EC87E5
RGB	236, 135, 229
RGB Percent	93%, 53%, 90%
CMY	0.0747, 0.4704, 0.1021
CMYK	0.00, 0.43, 0.03, 0.07
HSL	304°, 73%, 73%
HSV	304°, 43%, 93%
XYZ	57.3826, 40.8180, 78.9609
YIQ	175.9150, 30.0220, 50.6460

Conversions

Conversions Part 2

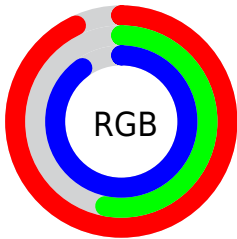
Format	Color
R _Y B	236, 135, 229
Decimal	15501285
CIE Lab	70.05, 51.69, -31.33
CIE LCh	70, 60.442, 328.782
Yxy	40.8180, 0.3239, 0.2304
Android (android.graphics.Color)	4293691365 (0xFFEC87E5)
YUV	175.9150, 26.1709, 52.6945
Hunter-Lab	63.8890, 48.5161, -28.5547

Details

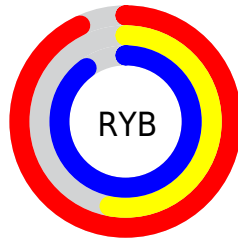
The Yxy color **40.8180, 0.3239, 0.2304** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **67.0697, 0.3029, 0.4528**, and the grayscale version is **43.2223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **18.3670, 0.3249, 0.2069** is the 20% darker color. If you saturate the color by 10%, you get **34.8560, 0.3269, 0.2101**, and if you desaturate by 10%, it is **48.2434, 0.3210, 0.2527**.

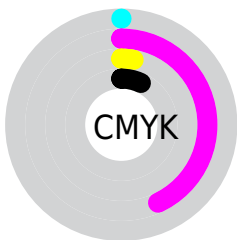
Distribution



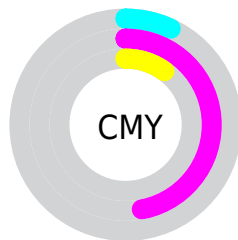
- Red (93%)
- Green (53%)
- Blue (90%)



- Red (93%)
- Yellow (53%)
- Blue (90%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8180, 0.3239, 0.2304 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 40.8180, 0.3239, 0.2304 by changing the saturation by 10% instead.


 40.8180, 0.3239,
0.2304


 40.8180, 0.3239,
0.2304


349.5594, 0.3199,
0.2762

 28.1769, 0.3245,
0.2200


 76.4075, 0.3228,
0.2463

 18.4591, 0.3249,
0.2072


 100.1248, 0.3223,
0.2525

 11.2801, 0.3252,
0.1913


 128.3028, 0.3218,
0.2578

 6.2555, 0.3250,
0.1708

161.3261, 0.3214,
0.2624

 3.0011, 0.3235,
0.1438

199.5790, 0.3210,
0.2665

 1.1323, 0.3188,
0.1077

243.4459, 0.3206,

 0.0053, 0.3241,

0.2701

0.0013

293.3112, 0.3203,
0.2733

■ 0.0000, 0.1781,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8180, 0.3239,
0.2304

■ 40.8180, 0.3239,
0.2304

■ 34.8560, 0.3269,
0.2101

■ 48.2434, 0.3210,
0.2527

■ 30.2546, 0.3299,
0.1929

■ 57.2154, 0.3182,
0.2761


■ 26.9061, 0.3327,
0.1795


■ 67.8171, 0.3156,
0.2997

■ 24.6846, 0.3354,
0.1703


■ 80.1244, 0.3133,
0.3228

 23.4376, 0.3378,
0.1656


 94.2083, 0.3112,
0.3449

 22.9719, 0.3394,
0.1643

 95.5620, 0.3102,
0.3452

 95.6588, 0.3093,
0.3435

 95.7564, 0.3084,
0.3419

 95.8549, 0.3074,
0.3403

Harmonies

Analogous

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



40.8180, 0.2426, 0.2035



40.8180, 0.3239, 0.2304



40.8180, 0.4138, 0.2768

Triad

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



40.8180, 0.3239, 0.2304



40.8180, 0.4391, 0.4572



40.8180, 0.1729, 0.2888

Complementary

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



40.8180, 0.3239, 0.2304



67.0697, 0.3029, 0.4528

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.



40.8180, 0.2129, 0.3819



40.8180, 0.3239, 0.2304



40.8180, 0.3658, 0.4918

Square

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



40.8180, 0.3239, 0.2304



40.8180, 0.4823, 0.3979



40.8180, 0.2831, 0.4672



40.8180, 0.1658, 0.2273

Rectangle

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



40.8180, 0.3239, 0.2304



40.8180, 0.4603, 0.3149



40.8180, 0.2831, 0.4672



40.8180, 0.1825, 0.3174

Sweetspot

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



40.8198, 0.3239, 0.2304



80.4961, 0.3157, 0.2990



29.1239, 0.2373, 0.1979



16.5954, 0.3163, 0.2938



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.



40.8198, 0.3239, 0.2304



42.5688, 0.3264, 0.2131



38.4097, 0.3749, 0.2804



15.2947, 0.3149, 0.3074



12.6767, 0.3390, 0.1641



1.0008, 0.3363, 0.1626

Inverse Universe

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



40.8198, 0.3239, 0.2304



42.5688, 0.3264, 0.2131



68.9317, 0.2764, 0.3848



15.2947, 0.3149, 0.3074



12.6767, 0.3390, 0.1641



1.0008, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 40.8180, 0.3239, 0.2304 looks on a white background.

Color Contrast Check

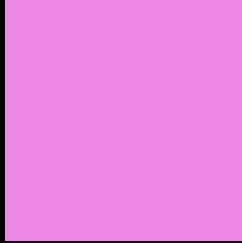
Large Text (above 18pt) WCAG AA × Fail

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 40.8180, 0.3239, 0.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

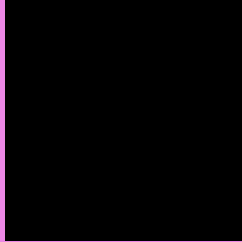
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8180, 0.3239, 0.2304

Background



This preview shows how black text looks on a background with the Yxy color 40.8180, 0.3239, 0.2304.



This preview shows how white text looks on a background with the Yxy color 40.8180, 0.3239, 0.2304.

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

40.8180, 0.3239, 0.2304

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.2807, 0.2654, 0.2596



Tritanopia

40.8799, 0.3818, 0.3164

Trichromacy



Original Color

40.8180, 0.3239, 0.2304



Protanomaly

39.9979, 0.2602, 0.2234



Deuteranomaly

40.2416, 0.2843, 0.2466



Tritanomaly

40.7849, 0.3599, 0.2826

Monochromacy



Original Color

40.8180, 0.3239, 0.2304



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.4356, 0.3175, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8180, 0.3239, 0.2304 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, 135, 229)` looks like.

```
.text, #text, p{  
    color:rgb(236, 135, 229)  
}
```

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, 135, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 135, 229) }
```

Border

The CSS property to change the border of an element to Yxy 40.8180, 0.3239, 0.2304 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, 135, 229) }
```

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

```
.border{ border-color:rgb(236, 135, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 135, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 135, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 135, 229);  
box-shadow:4px 4px 4px 4px rgb(236, 135,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8180, 0.3239, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 135, 229) }
```

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

```
.background{ background-color: rgb(236,  
135, 229) }
```

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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