

Converting Colors

$Y_{xy}(40.9669, 0.3310, 0.2502)$

Have a look what the booklet for
Yxy(40.9669, 0.3310, 0.2502)
contains.

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Color

Yxy(40.8591, 0.3308, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	E58ED6
RGB	229, 142, 214
RGB Percent	90%, 56%, 84%
CMY	0.1018, 0.4432, 0.1608
CMYK	0.00, 0.38, 0.07, 0.10
HSL	310°, 63%, 73%
HSV	310°, 38%, 90%
XYZ	54.1297, 40.8591, 68.6439
YIQ	176.2210, 28.7400, 40.8360

Conversions

Conversions Part 2

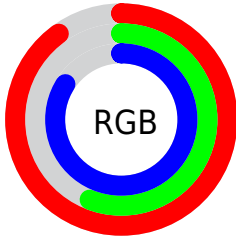
Format	Color
RYB	229, 142, 214
Decimal	15044310
CIELab	70.08, 43.43, -23.08
CIELCh	70, 49.179, 332.006
Yxy	40.8591, 0.3308, 0.2497
Android (android.graphics.Color)	4293234390 (0xFFE58ED6)
YUV	176.2210, 18.6250, 46.2872
Hunter-Lab	63.9211, 39.2955, -18.9259

Details

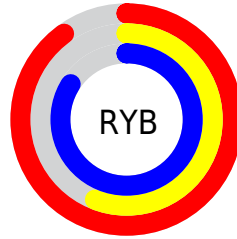
The Yxy color $40.8591, 0.3308, 0.2497$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $64.2416, 0.2989, 0.4242$, and the grayscale version is $43.4279, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.4125, 0.3154, 0.2722$, and $18.4186, 0.3347, 0.2296$ is the 20% darker color. If you saturate the color by 10%, you get $34.5324, 0.3369, 0.2301$, and if you desaturate by 10%, it is $48.5944, 0.3252, 0.2706$.

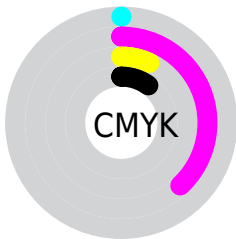
Distribution



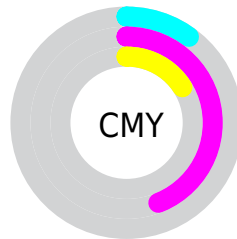
- Red (90%)
- Green (56%)
- Blue (84%)



- Red (90%)
- Yellow (56%)
- Blue (84%)



- Cyan (0%)
- Magenta (38%)
- Yellow (7%)
- Black (10%)





- Cyan (10%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8591, 0.3308, 0.2497 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 40.8591, 0.3308, 0.2497 by changing the saturation by 10% instead.


 40.8591, 0.3308,
0.2497


 40.8591, 0.3308,
0.2497


349.7314, 0.3228,
0.2874

 28.2090, 0.3325,
0.2409

 76.4700, 0.3281,
0.2629

 18.4833, 0.3346,
0.2300


 100.1995, 0.3270,
0.2680

 11.2975, 0.3370,
0.2160


128.3910, 0.3261,
0.2724

 6.2673, 0.3399,
0.1976

161.4288, 0.3253,
0.2762

 3.0083, 0.3433,
0.1725

199.6974, 0.3245,
0.2795

 1.1361, 0.3466,
0.1369

243.5811, 0.3239,

 0.0085, 0.3779,

0.2825

0.0030

293.4643, 0.3233,
0.2851

0.0000, 0.0368,
0.0000

0.0000, 0.0000,
0.0000

40.8591, 0.3308,
0.2497

40.8591, 0.3308,
0.2497

34.5324, 0.3369,
0.2301

48.5944, 0.3252,
0.2706

29.5224, 0.3434,
0.2127

57.8119, 0.3202,
0.2918

25.7350, 0.3501,
0.1985

68.5865, 0.3158,
0.3128

23.0613, 0.3569,
0.1884

80.9865, 0.3120,
0.3329

■ 21.3730, 0.3634,
0.1828

■ 94.1111, 0.3088,
0.3505

■ 20.4907, 0.3696,
0.1817

■ 94.3409, 0.3065,
0.3464

■ 20.3569, 0.3709,
0.1817

■ 94.5758, 0.3043,
0.3424

■ 94.8159, 0.3021,
0.3383

■ 95.0611, 0.2999,
0.3343

Harmonies

Analogous

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



40.8591, 0.2616, 0.2245



40.8591, 0.3308, 0.2497



40.8591, 0.4022, 0.2914

Triad

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



40.8591, 0.3308, 0.2497



40.8591, 0.4142, 0.4419



40.8591, 0.1936, 0.2912

Complementary

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



40.8591, 0.3308, 0.2497



64.2416, 0.2989, 0.4242

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.



40.8591, 0.2258, 0.3639



40.8591, 0.3308, 0.2497



40.8591, 0.3523, 0.4611

Square

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



40.8591, 0.3308, 0.2497



40.8591, 0.4512, 0.3961



40.8591, 0.2832, 0.4329



40.8591, 0.1896, 0.2418

Rectangle

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



40.8591, 0.3308, 0.2497



40.8591, 0.4373, 0.3250



40.8591, 0.2832, 0.4329



40.8591, 0.2012, 0.3137

Sweetspot

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



40.8609, 0.3308, 0.2497



83.0825, 0.3171, 0.3064



32.1198, 0.2540, 0.2169



17.3744, 0.3177, 0.3036



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.



40.8609, 0.3308, 0.2497



45.3334, 0.3358, 0.2333



38.9469, 0.3746, 0.2956



14.5702, 0.3164, 0.3098



11.6513, 0.3700, 0.1812



0.8723, 0.3616, 0.1765

Inverse Universe

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



40.8609, 0.3308, 0.2497



45.3334, 0.3358, 0.2333



65.9771, 0.2751, 0.3658



14.5702, 0.3164, 0.3098



11.6513, 0.3700, 0.1812



0.8723, 0.3616, 0.1765

Previews

White Background



This preview shows how the Yxy color 40.8591, 0.3308, 0.2497 looks on a white background.

Color Contrast Check

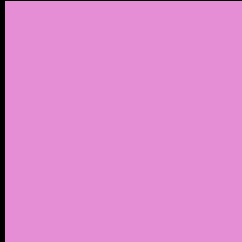
Large Text (above 18pt) WCAG AA × Fail

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 40.8591, 0.3308, 0.2497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

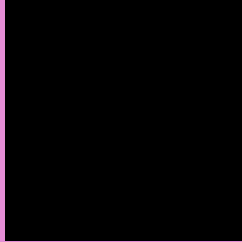
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8591, 0.3308, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 40.8591, 0.3308, 0.2497.



This preview shows how white text looks on a background with the Yxy color 40.8591, 0.3308, 0.2497.

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

40.8591, 0.3308, 0.2497

Protanopia

41.0888, 0.2528, 0.2463

Deuteranopia

41.1548, 0.2819, 0.2757



Tritanopia

40.8248, 0.3730, 0.3149

Trichromacy



Original Color

40.8591, 0.3308, 0.2497



Protanomaly

40.1661, 0.2771, 0.2456



Deuteranomaly

40.5758, 0.2978, 0.2647



Tritanomaly

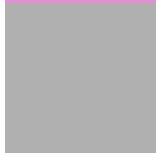
40.5648, 0.3575, 0.2896

Monochromacy



Original Color

40.8591, 0.3308, 0.2497



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.8707, 0.3189, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8591, 0.3308, 0.2497 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(229, 142, 214)` looks like.

```
.text, #text, p{  
    color:rgb(229, 142, 214)  
}
```

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(229, 142, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 142, 214) }
```

Border

The CSS property to change the border of an element to Yxy 40.8591, 0.3308, 0.2497 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(229, 142, 214) }
```

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

```
.border{ border-color:rgb(229, 142, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 142, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 142, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 142, 214);  
box-shadow:4px 4px 4px 4px rgb(229, 142,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8591, 0.3308, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 142, 214) }
```

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

```
.background{ background-color: rgb(229,  
142, 214) }
```

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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