

Converting Colors

$Y_{xy}(41.9193, 0.3213, 0.2498)$

Have a look what the booklet for
Yxy(41.9193, 0.3213, 0.2498)
contains.

Yxy(41.8292, 0.3211, 0.2489)	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(41.8292, 0.3211, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	E093DB
RGB	224, 147, 219
RGB Percent	88%, 58%, 86%
CMY	0.1216, 0.4235, 0.1411
CMYK	0.00, 0.34, 0.02, 0.12
HSL	304°, 55%, 73%
HSV	304°, 34%, 88%
XYZ	53.9629, 41.8292, 72.2642
YIQ	178.2310, 22.7800, 38.7160

Conversions

Conversions Part 2

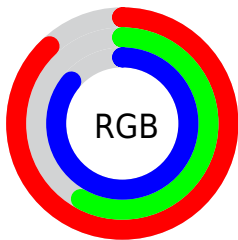
Format	Color
RYB	224, 147, 219
Decimal	14717915
CIELab	70.75, 40.09, -24.88
CIELCh	71, 47.180, 328.172
Yxy	41.8292, 0.3211, 0.2489
Android (android.graphics.Color)	4292907995 (0xFFE093DB)
YUV	178.2310, 20.0991, 40.1394
Hunter-Lab	64.6755, 35.7517, -20.9739

Details

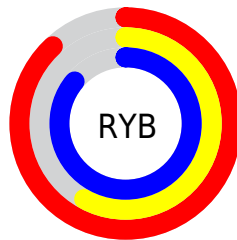
The Yxy color **41.8292, 0.3211, 0.2489** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.7813, 0.3050, 0.4249**, and the grayscale version is **44.5333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **19.1896, 0.3225, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **35.4537, 0.3239, 0.2268**, and if you desaturate by 10%, it is **49.5653, 0.3184, 0.2722**.

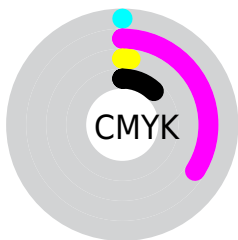
Distribution



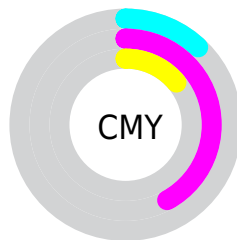
- Red (88%)
- Green (58%)
- Blue (86%)



- Red (88%)
- Yellow (58%)
- Blue (86%)



- Cyan (0%)
- Magenta (34%)
- Yellow (2%)
- Black (12%)





- Cyan (12%)
- Magenta (42%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8292, 0.3211, 0.2489 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 41.8292, 0.3211, 0.2489 by changing the saturation by 10% instead.


 41.8292, 0.3211,
0.2489


 41.8292, 0.3211,
0.2489


353.7744, 0.3180,
0.2868

 28.9676, 0.3216,
0.2401

 77.9411, 0.3202,
0.2622

 19.0563, 0.3221,
0.2291


 101.9601, 0.3198,
0.2673

 11.7110, 0.3225,
0.2152


130.4670, 0.3194,
0.2717

 6.5472, 0.3225,
0.1969

163.8463, 0.3191,
0.2756

 3.1806, 0.3218,
0.1721

202.4823, 0.3187,
0.2789

 1.2267, 0.3187,
0.1370

246.7594, 0.3185,

 0.0834, 0.3287,

0.2819

0.0254

297.0619, 0.3182,
0.2845

0.0000, 0.0088,
0.0000

0.0000, 0.0000,
0.0000

41.8292, 0.3211,
0.2489

41.8292, 0.3211,
0.2489

35.4537, 0.3239,
0.2268

49.5653, 0.3184,
0.2722

30.3543, 0.3268,
0.2070


58.7292, 0.3159,
0.2958


26.4456, 0.3296,
0.1902


69.3902, 0.3136,
0.3191


23.6295, 0.3322,
0.1774


81.6116, 0.3116,
0.3414


 21.7923, 0.3347,
0.1688


 92.8729, 0.3099,
0.3586


 20.7953, 0.3369,
0.1646

 92.9529, 0.3091,
0.3571

 20.4770, 0.3380,
0.1636

 93.0335, 0.3083,
0.3556

 93.1148, 0.3075,
0.3540

 93.1967, 0.3067,
0.3525

Harmonies

Analogous

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



41.8292, 0.2567, 0.2271



41.8292, 0.3211, 0.2489



41.8292, 0.3901, 0.2874

Triad

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



41.8292, 0.3211, 0.2489



41.8292, 0.4162, 0.4326



41.8292, 0.2011, 0.3013

Complementary

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



41.8292, 0.3211, 0.2489



61.7813, 0.3050, 0.4249

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.



41.8292, 0.2358, 0.3717



41.8292, 0.3211, 0.2489



41.8292, 0.3593, 0.4545

Square

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



41.8292, 0.3211, 0.2489



41.8292, 0.4469, 0.3876



41.8292, 0.2932, 0.4334



41.8292, 0.1936, 0.2504

Rectangle

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



41.8292, 0.3211, 0.2489



41.8292, 0.4261, 0.3192



41.8292, 0.2932, 0.4334



41.8292, 0.2097, 0.3235

Sweetspot

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



41.8311, 0.3211, 0.2489



84.6900, 0.3149, 0.3059



32.8147, 0.2537, 0.2273



17.7026, 0.3152, 0.3026



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.



41.8311, 0.3211, 0.2489



50.0090, 0.3230, 0.2334



40.0783, 0.3571, 0.2886



13.9195, 0.3148, 0.3074



11.9256, 0.3378, 0.1634



0.8313, 0.3349, 0.1619

Inverse Universe

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



41.8311, 0.3211, 0.2489



50.0090, 0.3230, 0.2334



63.2045, 0.2833, 0.3737



13.9195, 0.3148, 0.3074



11.9256, 0.3378, 0.1634



0.8313, 0.3349, 0.1619

Previews

White Background



This preview shows how the Yxy color 41.8292, 0.3211, 0.2489 looks on a white background.

Color Contrast Check

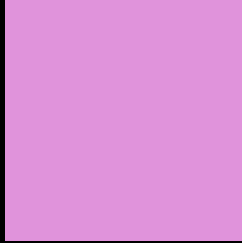
Large Text (above 18pt) WCAG AA × Fail

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 41.8292, 0.3211, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

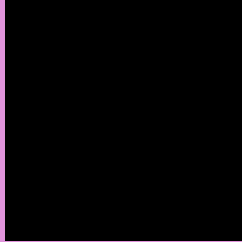
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8292, 0.3211, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 41.8292, 0.3211, 0.2489.



This preview shows how white text looks on a background with the Yxy color 41.8292, 0.3211, 0.2489.

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

41.8292, 0.3211, 0.2489

Protanopia

42.1103, 0.2521, 0.2459

Deuteranopia

42.0908, 0.2770, 0.2711



Tritanopia

41.8839, 0.3616, 0.3147

Trichromacy



Original Color

41.8292, 0.3211, 0.2489



Protanomaly

41.1375, 0.2737, 0.2459



Deuteranomaly

41.6173, 0.2922, 0.2626



Tritanomaly

41.5860, 0.3467, 0.2890

Monochromacy



Original Color

41.8292, 0.3211, 0.2489



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.0898, 0.3161, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8292, 0.3211, 0.2489 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(224, 147, 219)` looks like.

```
.text, #text, p{  
    color:rgb(224, 147, 219)  
}
```

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(224, 147, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 147, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.8292, 0.3211, 0.2489 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(224, 147, 219) }
```

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

```
.border{ border-color:rgb(224, 147, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 147, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 147, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 147, 219);  
box-shadow:4px 4px 4px 4px rgb(224, 147,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8292, 0.3211, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 147, 219) }
```

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

```
.background{ background-color: rgb(224,  
147, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor