

Converting Colors

$Y_{xy}(40.3371, 0.3276, 0.2477)$

Have a look what the booklet for
Yxy(40.3371, 0.3276, 0.2477)
contains.

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Color

Yxy(40.4210, 0.3270, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	E28ED7
RGB	226, 142, 215
RGB Percent	89%, 56%, 84%
CMY	0.1138, 0.4431, 0.1569
CMYK	0.00, 0.37, 0.05, 0.11
HSL	308°, 59%, 72%
HSV	308°, 37%, 89%
XYZ	53.2970, 40.4210, 69.2699
YIQ	175.4380, 26.6310, 40.5110

Conversions

Conversions Part 2

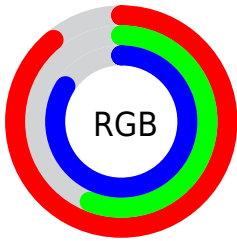
Format	Color
R _Y B	226, 142, 215
Decimal	14847703
CIE Lab	69.77, 42.62, -24.14
CIE LCh	70, 48.979, 330.477
Yxy	40.4210, 0.3270, 0.2480
Android (android.graphics.Color)	4293037783 (0xFFE28ED7)
YUV	175.4380, 19.5041, 44.3429
Hunter-Lab	63.5775, 38.3760, -20.0942

Details

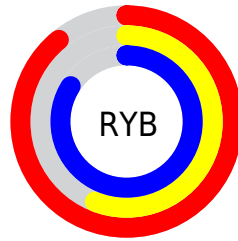
The Yxy color $40.4210, 0.3270, 0.2480$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $62.4376, 0.3012, 0.4264$, and the grayscale version is $42.9963, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.4125, 0.3154, 0.2722$, and $18.1178, 0.3295, 0.2271$ is the 20% darker color. If you saturate the color by 10%, you get $34.2144, 0.3318, 0.2275$, and if you desaturate by 10%, it is $47.9972, 0.3226, 0.2698$.

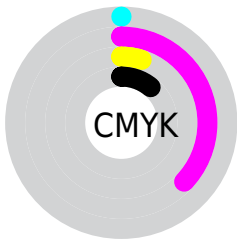
Distribution



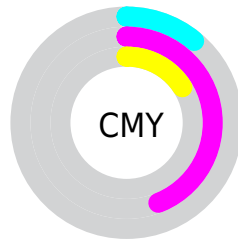
- Red (89%)
- Green (56%)
- Blue (84%)



- Red (89%)
- Yellow (56%)
- Blue (84%)



- Cyan (0%)
- Magenta (37%)
- Yellow (5%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4210, 0.3270, 0.2480 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 40.4210, 0.3270, 0.2480 by changing the saturation by 10% instead.


 40.4210, 0.3270,
0.2480


 40.4210, 0.3270,
0.2480


347.8948, 0.3209,
0.2865

 27.8669, 0.3282,
0.2390


 75.8042, 0.3250,
0.2615

 18.2254, 0.3296,
0.2278


 99.4021, 0.3242,
0.2667

 11.1119, 0.3312,
0.2135


127.4501, 0.3235,
0.2712

 6.1422, 0.3329,
0.1948

160.3325, 0.3229,
0.2751

 2.9317, 0.3345,
0.1692

198.4338, 0.3223,
0.2785

 1.0962, 0.3349,
0.1330

242.1384, 0.3218,


 0.0000, 0.3585,


0.2815


0.0000


291.8306, 0.3213,
0.2841


 0.0000, 0.0000,
0.0000


 40.4210, 0.3270,
0.2480


 40.4210, 0.3270,
0.2480


 34.2144, 0.3318,
0.2275


 47.9972, 0.3226,
0.2698


 29.2889, 0.3368,
0.2093


 57.0133, 0.3186,
0.2919

 25.5545, 0.3419,
0.1943

 67.5417, 0.3150,
0.3138

 22.9071, 0.3469,
0.1833

 79.6479, 0.3119,
0.3349

 21.2246, 0.3518,
0.1767

 93.3877, 0.3092,
0.3548

■ 20.3468, 0.3563,
0.1745

■ 93.5553, 0.3075,
0.3517

■ 20.1688, 0.3575,
0.1743

■ 93.7258, 0.3058,
0.3486

■ 93.8991, 0.3042,
0.3456

■ 94.0753, 0.3025,
0.3425

Harmonies

Analogous

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



40.4210, 0.2586, 0.2238



40.4210, 0.3270, 0.2480



40.4210, 0.3989, 0.2890

Triad

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



40.4210, 0.3270, 0.2480



40.4210, 0.4168, 0.4399



40.4210, 0.1946, 0.2945

Complementary

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



40.4210, 0.3270, 0.2480



62.4376, 0.3012, 0.4264

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.



40.4210, 0.2283, 0.3679



40.4210, 0.3270, 0.2480



40.4210, 0.3557, 0.4611

Square

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



40.4210, 0.3270, 0.2480



40.4210, 0.4521, 0.3934



40.4210, 0.2866, 0.4355



40.4210, 0.1891, 0.2437

Rectangle

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



40.4210, 0.3270, 0.2480



40.4210, 0.4352, 0.3223



40.4210, 0.2866, 0.4355



40.4210, 0.2027, 0.3173

Sweetspot

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



40.4228, 0.3270, 0.2480



83.1563, 0.3163, 0.3053



31.4987, 0.2523, 0.2189



17.3921, 0.3168, 0.3023



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.



40.4228, 0.3270, 0.2480



46.3783, 0.3309, 0.2312



38.5815, 0.3680, 0.2916



13.9031, 0.3158, 0.3089



11.5206, 0.3569, 0.1740



0.8073, 0.3505, 0.1705

Inverse Universe

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



40.4228, 0.3270, 0.2480



46.3783, 0.3309, 0.2312



64.0230, 0.2781, 0.3704



13.9031, 0.3158, 0.3089



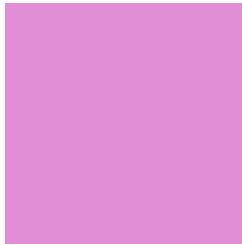
11.5206, 0.3569, 0.1740



0.8073, 0.3505, 0.1705

Previews

White Background



This preview shows how the Yxy color 40.4210, 0.3270, 0.2480 looks on a white background.

Color Contrast Check

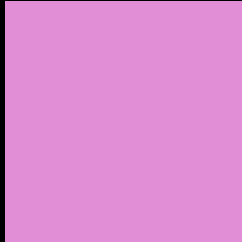
Large Text (above 18pt) WCAG AA × Fail

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 40.4210, 0.3270, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

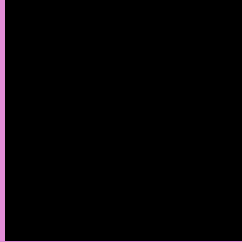
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4210, 0.3270, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 40.4210, 0.3270, 0.2480.

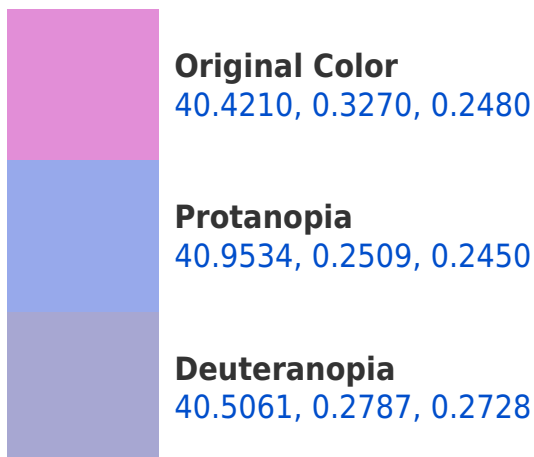


This preview shows how white text looks on a background with the Yxy color 40.4210, 0.3270, 0.2480.

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

40.3525, 0.3701, 0.3147

Trichromacy



Original Color

40.4210, 0.3270, 0.2480



Protanomaly

39.8627, 0.2740, 0.2440



Deuteranomaly

39.8986, 0.2943, 0.2618



Tritanomaly

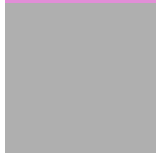
40.1283, 0.3535, 0.2880

Monochromacy



Original Color

40.4210, 0.3270, 0.2480



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.3814, 0.3180, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4210, 0.3270, 0.2480 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(226, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(226, 142, 215)  
}
```

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(226, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 142, 215) }
```

Border

The CSS property to change the border of an element to Yxy 40.4210, 0.3270, 0.2480 is called "border". The border property can be set on classes, ids or directly on the HTML element.

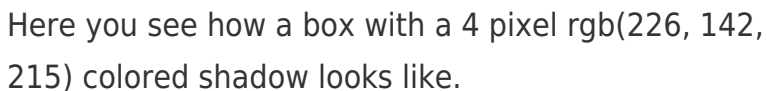
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 142, 215) }
```

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

```
.border{ border-color:rgb(226, 142, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 142, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 142, 215); box-shadow:4px 4px 4px 4px rgb(226, 142, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4210, 0.3270, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 142, 215) }
```

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

```
.background{ background-color: rgb(226,  
142, 215) }
```

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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