

Converting Colors

$Y_{xy}(40.4160, 0.3413, 0.2652)$

Have a look what the booklet for
Yxy(40.4160, 0.3413, 0.2652)
contains.

Yxy(40.4475, 0.3421, 0.2657)	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(40.4475, 0.3421, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	E390C8
RGB	227, 144, 200
RGB Percent	89%, 56%, 78%
CMY	0.1098, 0.4353, 0.2157
CMYK	0.00, 0.37, 0.12, 0.11
HSL	320°, 60%, 73%
HSV	320°, 37%, 89%
XYZ	52.0779, 40.4475, 59.7046
YIQ	175.2010, 31.4920, 35.0120

Conversions

Conversions Part 2

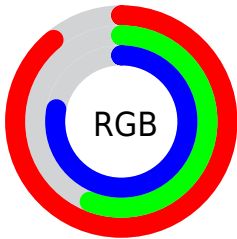
Format	Color
R _Y B	227, 144, 200
Decimal	14913736
CIE Lab	69.79, 39.37, -15.79
CIE LCh	70, 42.419, 338.146
Yxy	40.4475, 0.3421, 0.2657
Android (android.graphics.Color)	4293103816 (0xFFE390C8)
YUV	175.2010, 12.2259, 45.4277
Hunter-Lab	63.5983, 34.8686, -11.1412

Details

The Yxy color **40.4475, 0.3421, 0.2657** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.8112, 0.2922, 0.4025**, and the grayscale version is **42.9036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **18.2757, 0.3494, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **33.9132, 0.3532, 0.2488**, and if you desaturate by 10%, it is **48.3846, 0.3324, 0.2833**.

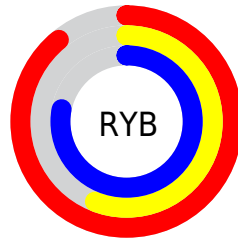
Distribution



Red (89%)

Green (56%)

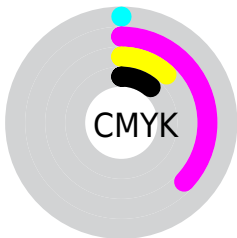
Blue (78%)



Red (89%)

Yellow (56%)

Blue (78%)

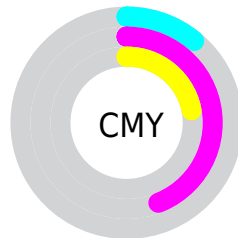


Cyan (0%)

Magenta (37%)

Yellow (12%)

Black (11%)



Cyan (11%)


Magenta (44%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4475, 0.3421, 0.2657 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 40.4475, 0.3421, 0.2657 by changing the saturation by 10% instead.


 40.4475, 0.3421,
0.2657


 40.4475, 0.3421,
0.2657


348.0061, 0.3279,
0.2963

 27.8876, 0.3455,
0.2584


 75.8445, 0.3370,
0.2766

 18.2410, 0.3498,
0.2491


 99.4504, 0.3351,
0.2808

 11.1231, 0.3553,
0.2372


127.5070, 0.3335,
0.2843

 6.1497, 0.3627,
0.2211

160.3989, 0.3320,
0.2874

 2.9363, 0.3732,
0.1985

198.5103, 0.3308,
0.2900

 1.0986, 0.3889,
0.1647

242.2258, 0.3297,

 0.0000, 0.4654,

0.2924

0.0000

291.9296, 0.3288,
0.2945

0.0000, 0.0000,
0.0000

40.4475, 0.3421,
0.2657

40.4475, 0.3421,
0.2657

33.9132, 0.3532,
0.2488

48.3846, 0.3324,
0.2833

28.6926, 0.3656,
0.2337

57.7957, 0.3239,
0.3010

24.6950, 0.3790,
0.2214


68.7535, 0.3168,
0.3182


21.8158, 0.3931,
0.2130


81.3246, 0.3108,
0.3345


19.9326, 0.4073,
0.2094


93.9620, 0.3058,
0.3473

 18.8906, 0.4212,
0.2108

 94.4025, 0.3016,
0.3397

 18.6364, 0.4260,
0.2120

 94.8611, 0.2976,
0.3323

 95.0717, 0.2958,
0.3290

Harmonies

Analogous

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



40.4475, 0.2798, 0.2397



40.4475, 0.3421, 0.2657



40.4475, 0.4009, 0.3055

Triad

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



40.4475, 0.3421, 0.2657



40.4475, 0.3926, 0.4339



40.4475, 0.2050, 0.2864

Complementary

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



40.4475, 0.3421, 0.2657



63.8112, 0.2922, 0.4025

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.



40.4475, 0.2292, 0.3461



40.4475, 0.3421, 0.2657



40.4475, 0.3361, 0.4409

Square

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



40.4475, 0.3421, 0.2657



40.4475, 0.4297, 0.3988



40.4475, 0.2763, 0.4075



40.4475, 0.2062, 0.2473

Rectangle

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



40.4475, 0.3421, 0.2657



40.4475, 0.4269, 0.3364



40.4475, 0.2763, 0.4075



40.4475, 0.2102, 0.3046

Sweetspot

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



40.4494, 0.3421, 0.2657



82.8169, 0.3199, 0.3105



34.0720, 0.2669, 0.2246



17.3108, 0.3208, 0.3082



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.



40.4494, 0.3421, 0.2657



45.9327, 0.3506, 0.2526



38.7902, 0.3847, 0.3114



14.5313, 0.3187, 0.3133



10.8906, 0.4240, 0.2109



0.8217, 0.4052, 0.2006

Inverse Universe

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



40.4494, 0.3421, 0.2657



45.9327, 0.3506, 0.2526



65.6133, 0.2695, 0.3479



14.5313, 0.3187, 0.3133



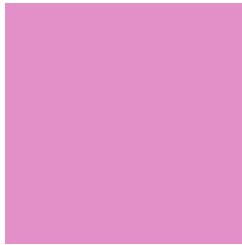
10.8906, 0.4240, 0.2109



0.8217, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 40.4475, 0.3421, 0.2657 looks on a white background.

Color Contrast Check

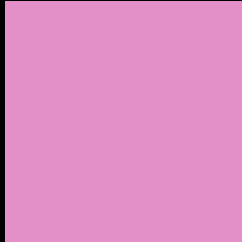
Large Text (above 18pt) WCAG AA × Fail

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 40.4475, 0.3421, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

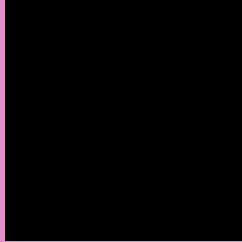
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4475, 0.3421, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 40.4475, 0.3421, 0.2657.



This preview shows how white text looks on a background with the Yxy color 40.4475, 0.3421, 0.2657.

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

40.4475, 0.3421, 0.2657

Protanopia

40.7566, 0.2678, 0.2662

Deuteranopia

40.8531, 0.2968, 0.2909



Tritanopia

40.4655, 0.3744, 0.3149

Trichromacy



Original Color

40.4475, 0.3421, 0.2657



Protanomaly

40.0351, 0.2917, 0.2648



Deuteranomaly

40.4296, 0.3131, 0.2814



Tritanomaly

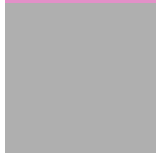
40.1617, 0.3627, 0.2963

Monochromacy



Original Color

40.4475, 0.3421, 0.2657



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.4809, 0.3232, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4475, 0.3421, 0.2657 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(227, 144, 200)` looks like.

```
.text, #text, p{  
    color:rgb(227, 144, 200)  
}
```

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(227, 144, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 144, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.4475, 0.3421, 0.2657 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(227, 144, 200) }
```

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

```
.border{ border-color:rgb(227, 144, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 144, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 144, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 144, 200);  
box-shadow:4px 4px 4px 4px rgb(227, 144,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4475, 0.3421, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 144, 200) }
```

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

```
.background{ background-color: rgb(227,  
144, 200) }
```

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