

Converting Colors

$Y_{xy}(40.3691, 0.3652, 0.2891)$

Have a look what the booklet for
Yxy(40.3691, 0.3652, 0.2891)
contains.

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Color

Yxy(40.3691, 0.3652, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	E691B4
RGB	230, 145, 180
RGB Percent	90%, 57%, 71%
CMY	0.0980, 0.4313, 0.2942
CMYK	0.00, 0.37, 0.22, 0.10
HSL	335°, 63%, 74%
HSV	335°, 37%, 90%
XYZ	50.9955, 40.3691, 48.2726
YIQ	174.4050, 39.4250, 28.9050

Conversions

Conversions Part 2

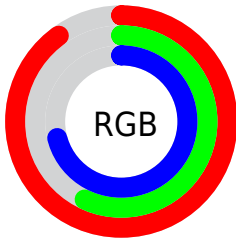
Format	Color
R _Y B	230, 145, 180
Decimal	15110580
CIE Lab	69.73, 36.76, -4.69
CIE LCh	70, 37.054, 352.729
Yxy	40.3691, 0.3652, 0.2891
Android (android.graphics.Color)	4293300660 (0xFFE691B4)
YUV	174.4050, 2.7583, 48.7568
Hunter-Lab	63.5367, 32.0776, -0.5704

Details

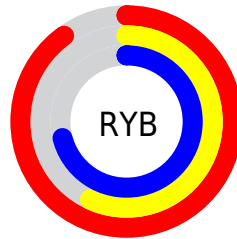
The Yxy color **40.3691, 0.3652, 0.2891** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.5571, 0.2795, 0.3734**, and the grayscale version is **42.5177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6247, 0.3289, 0.2930**, and **18.2452, 0.3813, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **33.5138, 0.3866, 0.2785**, and if you desaturate by 10%, it is **48.7049, 0.3472, 0.3003**.

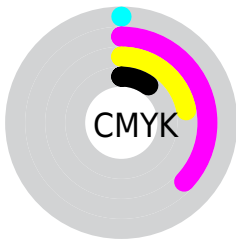
Distribution



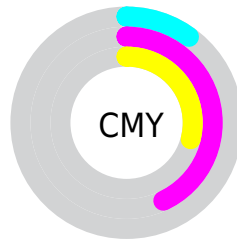
- Red (90%)
- Green (57%)
- Blue (71%)



- Red (90%)
- Yellow (57%)
- Blue (71%)



- Cyan (0%)
- Magenta (37%)
- Yellow (22%)
- Black (10%)





- Cyan (10%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3691, 0.3652, 0.2891 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 40.3691, 0.3652, 0.2891 by changing the saturation by 10% instead.


 40.3691, 0.3652,
0.2891


 40.3691, 0.3652,
0.2891


347.6768, 0.3386,
0.3090

 27.8264, 0.3719,
0.2841


 75.7252, 0.3555,
0.2963

 18.1949, 0.3807,
0.2778


 99.3075, 0.3518,
0.2991

 11.0900, 0.3924,
0.2693


127.3384, 0.3488,
0.3014

 6.1274, 0.4089,
0.2576

160.2024, 0.3461,
0.3033

 2.9227, 0.4339,
0.2402

198.2839, 0.3439,
0.3050

 1.0915, 0.4757,
0.2121

241.9671, 0.3419,

 0.0000, 0.7463,

0.3065

0.0000

291.6367, 0.3401,
0.3079

0.0000, 0.0000,
0.0000

40.3691, 0.3652,
0.2891

40.3691, 0.3652,
0.2891

33.5138, 0.3866,
0.2785

48.7049, 0.3472,
0.3003

28.0453, 0.4114,
0.2693

58.5962, 0.3323,
0.3113

23.8681, 0.4393,
0.2627

70.1194, 0.3200,
0.3220

20.8723, 0.4693,
0.2601

83.3446, 0.3098,
0.3320

18.9287, 0.4996,
0.2624

95.0998, 0.3016,
0.3363

■ 17.8718, 0.5282,
0.2701

■ 95.5634, 0.2976,
0.3290

■ 17.6430, 0.5365,
0.2729

Harmonies

Analogous

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



40.3691, 0.3100, 0.2590



40.3691, 0.3652, 0.2891



40.3691, 0.4075, 0.3288

Triad

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



40.3691, 0.3652, 0.2891



40.3691, 0.3609, 0.4275



40.3691, 0.2148, 0.2727

Complementary

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



40.3691, 0.3652, 0.2891



66.5571, 0.2795, 0.3734

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.



40.3691, 0.2257, 0.3177



40.3691, 0.3652, 0.2891



40.3691, 0.3079, 0.4158

Square

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



40.3691, 0.3652, 0.2891



40.3691, 0.4031, 0.4083



40.3691, 0.2588, 0.3728



40.3691, 0.2267, 0.2479

Rectangle

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



40.3691, 0.3652, 0.2891



40.3691, 0.4203, 0.3573



40.3691, 0.2588, 0.3728



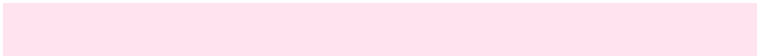
40.3691, 0.2159, 0.2857

Sweetspot

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



40.3710, 0.3652, 0.2891



82.3728, 0.3247, 0.3177



37.5138, 0.2855, 0.2288



17.2050, 0.3264, 0.3162



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.



40.3710, 0.3652, 0.2891



44.5175, 0.3804, 0.2813



41.3539, 0.3998, 0.3375



14.4658, 0.3228, 0.3194



10.0112, 0.5325, 0.2707



0.7579, 0.4945, 0.2498

Inverse Universe

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



40.3710, 0.3652, 0.2891



44.5175, 0.3804, 0.2813



64.4663, 0.2599, 0.3202



14.4658, 0.3228, 0.3194



10.0112, 0.5325, 0.2707



0.7579, 0.4945, 0.2498

Previews

White Background



This preview shows how the Yxy color 40.3691, 0.3652, 0.2891 looks on a white background.

Color Contrast Check

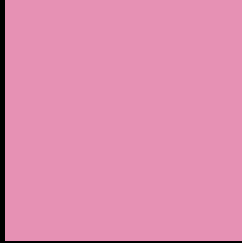
Large Text (above 18pt) WCAG AA × Fail

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 40.3691, 0.3652, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

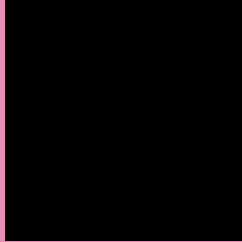
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3691, 0.3652, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 40.3691, 0.3652, 0.2891.



This preview shows how white text looks on a background with the Yxy color 40.3691, 0.3652, 0.2891.

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

40.3691, 0.3652, 0.2891

Protanopia

40.5316, 0.2900, 0.2940

Deuteranopia

40.7213, 0.3217, 0.3158



Tritanopia

40.5269, 0.3832, 0.3164

Trichromacy



Original Color

40.3691, 0.3652, 0.2891



Protanomaly

39.8065, 0.3145, 0.2905



Deuteranomaly

40.0456, 0.3370, 0.3050



Tritanomaly

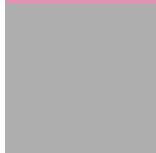
40.6278, 0.3771, 0.3071

Monochromacy



Original Color

40.3691, 0.3652, 0.2891



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.7983, 0.3305, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3691, 0.3652, 0.2891 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(230, 145, 180)` looks like.

```
.text, #text, p{  
    color:rgb(230, 145, 180)  
}
```

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(230, 145, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 145, 180) }
```

Border

The CSS property to change the border of an element to Yxy 40.3691, 0.3652, 0.2891 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(230, 145, 180) }
```

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

```
.border{ border-color:rgb(230, 145, 180) }
```

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

Here you see how a box with a 4 pixel rgb(230, 145, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 145, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 145, 180);  
box-shadow:4px 4px 4px 4px rgb(230, 145,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3691, 0.3652, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 145, 180) }
```

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

```
.background{ background-color: rgb(230,  
145, 180) }
```

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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