

Converting Colors

$Y_{xy}(33.1253, 0.4084, 0.2924)$

Have a look what the booklet for
Yxy(33.1253, 0.4084, 0.2924)
contains.

Yxy(33.2253, 0.4080, 0.2921)	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(33.2253, 0.4080, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	EA7899
RGB	234, 120, 153
RGB Percent	92%, 47%, 60%
CMY	0.0822, 0.5295, 0.3999
CMYK	0.00, 0.49, 0.35, 0.08
HSL	343°, 73%, 69%
HSV	343°, 49%, 92%
XYZ	46.4085, 33.2253, 34.1125
YIQ	157.8480, 57.3510, 34.4310

Conversions

Conversions Part 2

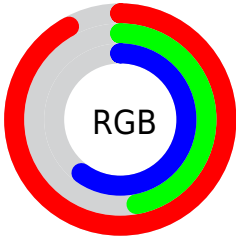
Format	Color
R_{YB}	234, 120, 153
Decimal	15366297
CIE _{Lab}	64.34, 47.42, 2.69
CIE _{LCh}	64, 47.492, 3.243
Yxy	33.2253, 0.4080, 0.2921
Android (android.graphics.Color)	4293556377 (0xFFEA7899)
YUV	157.8480, -2.3901, 66.7853
Hunter-Lab	57.6414, 42.8423, 5.2608

Details

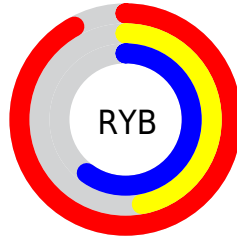
The Yxy color **33.2253, 0.4080, 0.2921** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **67.0756, 0.2644, 0.3716**, and the grayscale version is **34.1106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4249, 0.3559, 0.2960**, and **14.0876, 0.4391, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **27.7586, 0.4399, 0.2863**, and if you desaturate by 10%, it is **40.1473, 0.3806, 0.2994**.

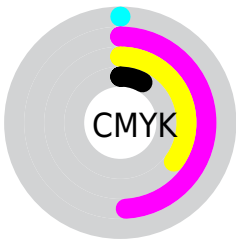
Distribution



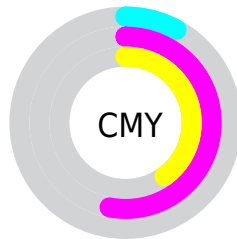
- Red (92%)
- Green (47%)
- Blue (60%)



- Red (92%)
- Yellow (47%)
- Blue (60%)



- Cyan (0%)
- Magenta (49%)
- Yellow (35%)
- Black (8%)





- Cyan (8%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2253, 0.4080, 0.2921 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 33.2253, 0.4080, 0.2921 by changing the saturation by 10% instead.


 33.2253, 0.4080,
0.2921


 33.2253, 0.4080,
0.2921


316.6637, 0.3577,
0.3119

 22.2991, 0.4214,
0.2867


 64.7271, 0.3891,
0.2996

 14.0768, 0.4391,
0.2795


 86.0715, 0.3822,
0.3024

 8.1741, 0.4635,
0.2695


 111.6574, 0.3764,
0.3046

 4.2066, 0.4990,
0.2547

141.8693, 0.3715,
0.3065

 1.7898, 0.5548,
0.2307

177.0914, 0.3673,
0.3082

 0.4808, 0.6966,
0.1786

217.7083, 0.3637,

 0.0000, 1.0000,

0.3096

0.0000

264.1043, 0.3605,
0.3108

0.0000, 0.0000,
0.0000

33.2253, 0.4080,
0.2921

33.2253, 0.4080,
0.2921

27.7586, 0.4399,
0.2863

40.1473, 0.3806,
0.2994

23.6369, 0.4755,
0.2830

48.6142, 0.3578,
0.3072

20.7424, 0.5129,
0.2835

58.7143, 0.3390,
0.3151

18.9342, 0.5489,
0.2885

70.5278, 0.3237,
0.3227

18.0040, 0.5799,
0.2977

84.1295, 0.3113,
0.3299

■ 17.9138, 0.5835,
0.2988

■ 96.0957, 0.3012,
0.3312

■ 96.2389, 0.3000,
0.3290

Harmonies

Analogous

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



33.2253, 0.3344, 0.2488



33.2253, 0.4080, 0.2921



33.2253, 0.4540, 0.3449

Triad

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



33.2253, 0.4080, 0.2921



33.2253, 0.3502, 0.4658



33.2253, 0.1864, 0.2375

Complementary

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



33.2253, 0.4080, 0.2921



67.0756, 0.2644, 0.3716

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.



33.2253, 0.1892, 0.2870



33.2253, 0.4080, 0.2921



33.2253, 0.2792, 0.4346

Square

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



33.2253, 0.4080, 0.2921



33.2253, 0.4148, 0.4468



33.2253, 0.2210, 0.3617



33.2253, 0.2112, 0.2171

Rectangle

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



33.2253, 0.4080, 0.2921



33.2253, 0.4597, 0.3817



33.2253, 0.2210, 0.3617



33.2253, 0.1842, 0.2506

Sweetspot

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



33.2270, 0.4080, 0.2921



76.3490, 0.3330, 0.3180



31.6248, 0.2860, 0.1995



15.7143, 0.3364, 0.3163



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.



33.2270, 0.4080, 0.2921



33.9965, 0.4383, 0.2865



38.4362, 0.4353, 0.3550



15.1258, 0.3247, 0.3222



10.0818, 0.5795, 0.2966



0.8078, 0.5401, 0.2749

Inverse Universe

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



33.2270, 0.4080, 0.2921



33.9965, 0.4383, 0.2865



56.6351, 0.2432, 0.2997



15.1258, 0.3247, 0.3222



10.0818, 0.5795, 0.2966



0.8078, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 33.2253, 0.4080, 0.2921 looks on a white background.

Color Contrast Check

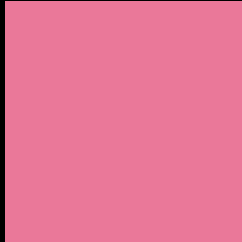
Large Text (above 18pt) WCAG AA × Fail

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 33.2253, 0.4080, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

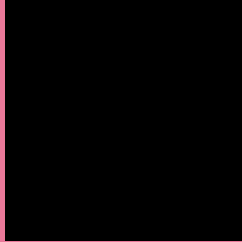
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2253, 0.4080, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 33.2253, 0.4080, 0.2921.



This preview shows how white text looks on a background with the Yxy color 33.2253, 0.4080, 0.2921.

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

33.2253, 0.4080, 0.2921

Protanopia

33.3687, 0.2950, 0.3011

Deuteranopia

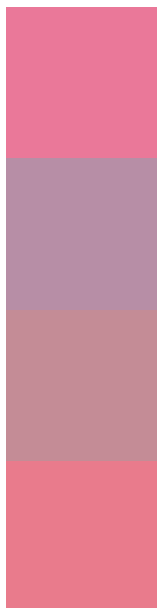
33.3853, 0.3404, 0.3334



Tritanopia

33.2646, 0.4290, 0.3191

Trichromacy



Original Color

33.2253, 0.4080, 0.2921

Protanomaly

32.1665, 0.3322, 0.2961

Deuteranomaly

32.6939, 0.3637, 0.3158

Tritanomaly

33.3830, 0.4219, 0.3101

Monochromacy



Original Color

33.2253, 0.4080, 0.2921

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.7859, 0.3454, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2253, 0.4080, 0.2921 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(234, 120, 153)` looks like.

```
.text, #text, p{  
    color:rgb(234, 120, 153)  
}
```

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(234, 120, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 120, 153) }
```

Border

The CSS property to change the border of an element to Yxy 33.2253, 0.4080, 0.2921 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(234, 120, 153) }
```

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

```
.border{ border-color:rgb(234, 120, 153) }
```

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

Here you see how a box with a 4 pixel rgb(234, 120, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 120, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 120, 153);  
box-shadow:4px 4px 4px 4px rgb(234, 120,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2253, 0.4080, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 120, 153) }
```

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

```
.background{ background-color: rgb(234,  
120, 153) }
```

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