

Converting Colors

$Y_{xy}(33.3652, 0.3958, 0.2819)$

Have a look what the booklet for
Yxy(33.3652, 0.3958, 0.2819)
contains.

Yxy(33.3652, 0.3958, 0.2819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3652, 0.3958, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	E978A2
RGB	233, 120, 162
RGB Percent	91%, 47%, 64%
CMY	0.0862, 0.5294, 0.3648
CMYK	0.00, 0.49, 0.30, 0.09
HSL	338°, 72%, 69%
HSV	338°, 49%, 91%
XYZ	46.8462, 33.3652, 38.1469
YIQ	158.5750, 53.8660, 37.0180

Conversions

Conversions Part 2

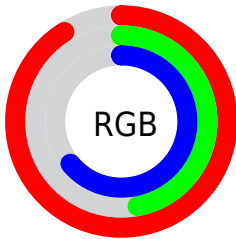
Format	Color
R _Y B	233, 120, 162
Decimal	15300770
CIE Lab	64.46, 48.16, -2.28
CIE LCh	64, 48.219, 357.294
Yxy	33.3652, 0.3958, 0.2819
Android (android.graphics.Color)	4293490850 (0xFFE978A2)
YUV	158.5750, 1.6885, 65.2707
Hunter-Lab	57.7626, 43.6812, 1.2783

Details

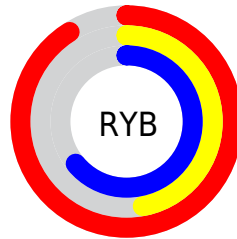
The Yxy color **33.3652, 0.3958, 0.2819** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **66.0449, 0.2692, 0.3841**, and the grayscale version is **34.4407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9297, 0.3472, 0.2861**, and **14.1607, 0.4207, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **27.9371, 0.4233, 0.2740**, and if you desaturate by 10%, it is **40.2208, 0.3721, 0.2913**.

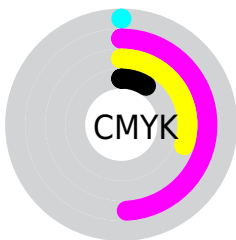
Distribution



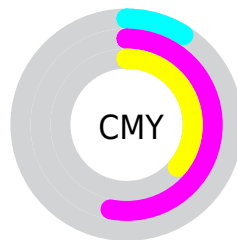
- Red (91%)
- Green (47%)
- Blue (64%)



- Red (91%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (30%)
- Black (9%)




- Cyan (9%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3652, 0.3958, 0.2819 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 33.3652, 0.3958, 0.2819 by changing the saturation by 10% instead.


 33.3652, 0.3958,
0.2819


 33.3652, 0.3958,
0.2819


317.2921, 0.3523,
0.3063


 22.4064, 0.4073,
0.2755


 64.9453, 0.3795,
0.2910

 14.1558, 0.4224,
0.2672


 86.3353, 0.3735,
0.2943

 8.2291, 0.4432,
0.2558

 111.9712, 0.3685,
0.2971

 4.2419, 0.4733,
0.2395

142.2373, 0.3643,
0.2995

 1.8098, 0.5205,
0.2144

177.5181, 0.3607,
0.3016

 0.4933, 0.6183,
0.1583

218.1979, 0.3575,

 0.0000, 1.0000,

0.3034

0.0000

264.6611, 0.3547,
0.3050

■ 0.0000, 0.0000,
0.0000

■ 33.3652, 0.3958,
0.2819

■ 33.3652, 0.3958,
0.2819

■ 27.9371, 0.4233,
0.2740

■ 40.2208, 0.3721,
0.2913

■ 23.8287, 0.4540,
0.2689

■ 48.5914, 0.3523,
0.3014

■ 20.9251, 0.4866,
0.2678

■ 58.5634, 0.3358,
0.3115

■ 19.0887, 0.5190,
0.2717

■ 70.2149, 0.3223,
0.3212

■ 18.1200, 0.5487,
0.2805

■ 83.6194, 0.3112,
0.3303

 18.0082, 0.5530,
0.2820

 95.7401, 0.3022,
0.3341

 96.0671, 0.2994,
0.3290

Harmonies

Analogous

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



33.3652, 0.3192, 0.2410



33.3652, 0.3958, 0.2819



33.3652, 0.4501, 0.3339

Triad

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



33.3652, 0.3958, 0.2819



33.3652, 0.3646, 0.4674



33.3652, 0.1833, 0.2437

Complementary

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



33.3652, 0.3958, 0.2819



66.0449, 0.2692, 0.3841

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.



33.3652, 0.1918, 0.2997



33.3652, 0.3958, 0.2819



33.3652, 0.2924, 0.4469

Square

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



33.3652, 0.3958, 0.2819



33.3652, 0.4266, 0.4401



33.3652, 0.2296, 0.3784



33.3652, 0.2028, 0.2177

Rectangle

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



33.3652, 0.3958, 0.2819



33.3652, 0.4622, 0.3711



33.3652, 0.2296, 0.3784



33.3652, 0.1829, 0.2590

Sweetspot

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



33.3669, 0.3958, 0.2819



76.5242, 0.3308, 0.3149



30.2238, 0.2774, 0.1969



15.7562, 0.3339, 0.3128



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.



33.3669, 0.3958, 0.2819



34.4066, 0.4226, 0.2742



35.5076, 0.4403, 0.3442



15.1466, 0.3235, 0.3203



10.2382, 0.5489, 0.2798



0.8220, 0.5111, 0.2589

Inverse Universe

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



33.3669, 0.3958, 0.2819



34.4066, 0.4226, 0.2742



60.9764, 0.2458, 0.3122



15.1466, 0.3235, 0.3203



10.2382, 0.5489, 0.2798



0.8220, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 33.3652, 0.3958, 0.2819 looks on a white background.

Color Contrast Check

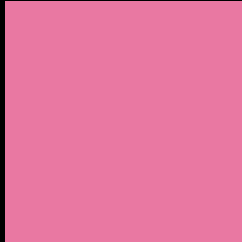
Large Text (above 18pt) WCAG AA × Fail

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 33.3652, 0.3958, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

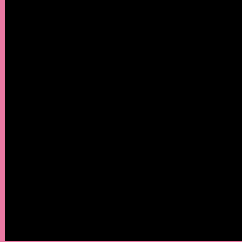
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3652, 0.3958, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 33.3652, 0.3958, 0.2819.



This preview shows how white text looks on a background with the Yxy color 33.3652, 0.3958, 0.2819.

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

33.3652, 0.3958, 0.2819

Protanopia

33.4827, 0.2840, 0.2870

Deuteranopia

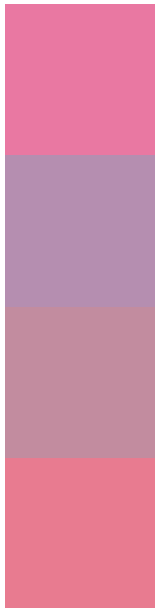
33.6615, 0.3283, 0.3219



Tritanopia

33.3774, 0.4262, 0.3190

Trichromacy



Original Color

33.3652, 0.3958, 0.2819

Protanomaly

32.3043, 0.3200, 0.2827

Deuteranomaly

32.7287, 0.3516, 0.3038

Tritanomaly

33.3353, 0.4159, 0.3054

Monochromacy



Original Color

33.3652, 0.3958, 0.2819

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.2280, 0.3410, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3652, 0.3958, 0.2819 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(233, 120, 162)` looks like.

```
.text, #text, p{  
    color:rgb(233, 120, 162)  
}
```

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(233, 120, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 120, 162) }
```

Border

The CSS property to change the border of an element to Yxy 33.3652, 0.3958, 0.2819 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(233, 120, 162) }
```

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

```
.border{ border-color:rgb(233, 120, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 120, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 120, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 120, 162);  
box-shadow:4px 4px 4px 4px rgb(233, 120,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3652, 0.3958, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 120, 162) }
```

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

```
.background{ background-color: rgb(233,  
120, 162) }
```

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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