

Converting Colors

$Y_{xy}(33.5008, 0.3552, 0.2390)$

Have a look what the booklet for
Yxy(33.5008, 0.3552, 0.2390)
contains.

Yxy(33.3895, 0.3557, 0.2389)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3895, 0.3557, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	E972C5
RGB	233, 114, 197
RGB Percent	91%, 45%, 77%
CMY	0.0861, 0.5531, 0.2274
CMYK	0.00, 0.51, 0.15, 0.09
HSL	318°, 73%, 68%
HSV	318°, 51%, 91%
XYZ	49.7139, 33.3895, 56.6601
YIQ	159.0430, 44.2810, 51.0410

Conversions

Conversions Part 2

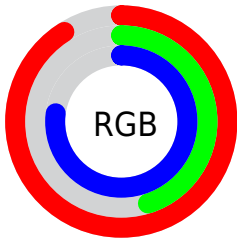
Format	Color
R _Y B	233, 114, 197
Decimal	15299269
CIE Lab	64.48, 55.98, -22.12
CIE LCh	64, 60.192, 338.441
Yxy	33.3895, 0.3557, 0.2389
Android (android.graphics.Color)	4293489349 (0xFFE972C5)
YUV	159.0430, 18.7128, 64.8603
Hunter-Lab	57.7836, 52.4502, -17.6886

Details

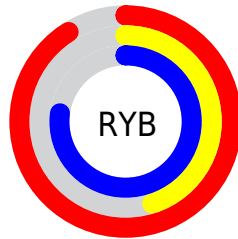
The Yxy color **33.3895, 0.3557, 0.2389** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **64.0840, 0.2874, 0.4429**, and the grayscale version is **34.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1652, 0.3174, 0.2468**, and **14.2251, 0.3673, 0.2159** is the 20% darker color. If you saturate the color by 10%, you get **28.4728, 0.3676, 0.2245**, and if you desaturate by 10%, it is **39.6635, 0.3448, 0.2556**.

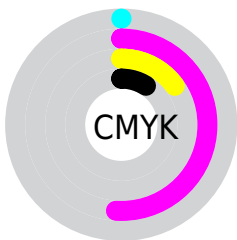
Distribution



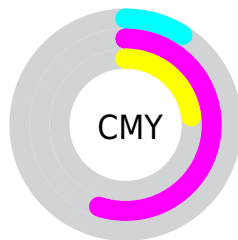
- Red (91%)
- Green (45%)
- Blue (77%)



- Red (91%)
- Yellow (45%)
- Blue (77%)



- Cyan (0%)
- Magenta (51%)
- Yellow (15%)
- Black (9%)





- Cyan (9%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3895, 0.3557, 0.2389 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 33.3895, 0.3557, 0.2389 by changing the saturation by 10% instead.


 33.3895, 0.3557,
0.2389


 33.3895, 0.3557,
0.2389


317.4012, 0.3348,
0.2826


 22.4250, 0.3607,
0.2285


 64.9832, 0.3483,
0.2544

 14.1695, 0.3670,
0.2154


 86.3811, 0.3454,
0.2604

 8.2387, 0.3750,
0.1985

 112.0256, 0.3430,
0.2655

 4.2480, 0.3858,
0.1761

142.3012, 0.3409,
0.2698

 1.8133, 0.4007,
0.1453

177.5921, 0.3391,
0.2736

 0.4954, 0.4262,
0.0925

218.2828, 0.3375,


 0.0000, 0.4714,

0.2770


0.0000

264.7577, 0.3361,
0.2800

 0.0000, 0.0000,
0.0000


 33.3895, 0.3557,
0.2389

 33.3895, 0.3557,
0.2389


 28.4728, 0.3676,
0.2245


 39.6635, 0.3448,
0.2556

 24.8044, 0.3803,
0.2135


 47.3830, 0.3352,
0.2735


 22.2667, 0.3932,
0.2068

 56.6345, 0.3267,
0.2918

 20.7170, 0.4061,
0.2051

 67.4962, 0.3195,
0.3098

 19.9603, 0.4173,
0.2072

 80.0411, 0.3133,
0.3272

94.3375, 0.3081,
0.3435

95.5295, 0.3041,
0.3376

95.9717, 0.3002,
0.3305

96.0724, 0.2994,
0.3290

Harmonies

Analogous

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



33.3895, 0.2632, 0.2036



33.3895, 0.3557, 0.2389



33.3895, 0.4467, 0.2922

Triad

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



33.3895, 0.3557, 0.2389



33.3895, 0.4225, 0.4802



33.3895, 0.1596, 0.2603

Complementary

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



33.3895, 0.3557, 0.2389



64.0840, 0.2874, 0.4429

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.



33.3895, 0.1895, 0.3508



33.3895, 0.3557, 0.2389



33.3895, 0.3394, 0.5030

Square

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



33.3895, 0.3557, 0.2389



33.3895, 0.4817, 0.4210



33.3895, 0.2540, 0.4530



33.3895, 0.1628, 0.2088

Rectangle

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



33.3895, 0.3557, 0.2389



33.3895, 0.4852, 0.3334



33.3895, 0.2540, 0.4530



33.3895, 0.1657, 0.2864

Sweetspot

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



33.3911, 0.3557, 0.2389



77.2538, 0.3222, 0.3027



24.3674, 0.2415, 0.1770



15.9318, 0.3238, 0.2989



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.



33.3911, 0.3557, 0.2389



34.8202, 0.3678, 0.2242



31.1876, 0.4290, 0.3027



15.2316, 0.3184, 0.3127



11.3432, 0.4154, 0.2062



0.9076, 0.3991, 0.1972

Inverse Universe

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



33.3911, 0.3557, 0.2389



34.8202, 0.3678, 0.2242



66.4973, 0.2575, 0.3596



15.2316, 0.3184, 0.3127



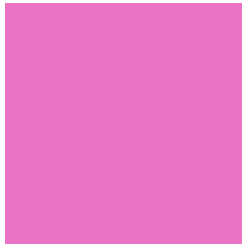
11.3432, 0.4154, 0.2062



0.9076, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 33.3895, 0.3557, 0.2389 looks on a white background.

Color Contrast Check

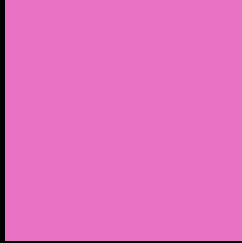
Large Text (above 18pt) WCAG AA × Fail

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 33.3895, 0.3557, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

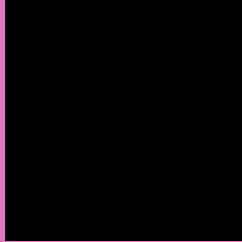
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3895, 0.3557, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 33.3895, 0.3557, 0.2389.



This preview shows how white text looks on a background with the Yxy color 33.3895, 0.3557, 0.2389.

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

33.3895, 0.3557, 0.2389

Protanopia

33.6438, 0.2403, 0.2304

Deuteranopia

33.4687, 0.2826, 0.2765



Tritanopia

33.3158, 0.4174, 0.3176

Trichromacy



Original Color

33.3895, 0.3557, 0.2389



Protanomaly

31.8581, 0.2734, 0.2293



Deuteranomaly

32.3828, 0.3060, 0.2581



Tritanomaly

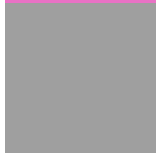
33.0803, 0.3946, 0.2867

Monochromacy



Original Color

33.3895, 0.3557, 0.2389



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1012, 0.3281, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3895, 0.3557, 0.2389 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, 114, 197)` looks like.

```
.text, #text, p{  
    color:rgb(233, 114, 197)  
}
```

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, 114, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 114, 197) }
```

Border

The CSS property to change the border of an element to Yxy 33.3895, 0.3557, 0.2389 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, 114, 197) }
```

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

```
.border{ border-color:rgb(233, 114, 197) }
```

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

Here you see how a box with a 4 pixel rgb(233, 114, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 114, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 114, 197);  
box-shadow:4px 4px 4px 4px rgb(233, 114,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3895, 0.3557, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 114, 197) }
```

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

```
.background{ background-color: rgb(233,  
114, 197) }
```

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