

Converting Colors

$Y_{xy}(33.3391, 0.3690, 0.2548)$

Have a look what the booklet for
Yxy(33.3391, 0.3690, 0.2548)
contains.

Yxy(33.3391, 0.3690, 0.2548)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3391, 0.3690, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	E875B8
RGB	232, 117, 184
RGB Percent	91%, 46%, 72%
CMY	0.0903, 0.5410, 0.2785
CMYK	0.00, 0.50, 0.21, 0.09
HSL	325°, 71%, 68%
HSV	325°, 50%, 91%
XYZ	48.2815, 33.3391, 49.2236
YIQ	159.0230, 47.0330, 45.2170

Conversions

Conversions Part 2

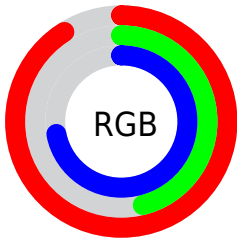
Format	Color
R _Y B	232, 117, 184
Decimal	15234488
CIE Lab	64.43, 52.25, -14.82
CIE LCh	64, 54.309, 344.167
Yxy	33.3391, 0.3690, 0.2548
Android (android.graphics.Color)	4293424568 (0xFFE875B8)
YUV	159.0230, 12.3137, 64.0008
Hunter-Lab	57.7400, 48.2145, -10.1269

Details

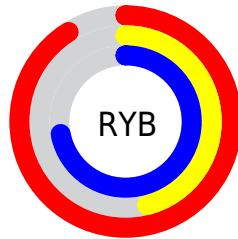
The Yxy color **33.3391, 0.3690, 0.2548** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **64.1966, 0.2811, 0.4198**, and the grayscale version is **34.6118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0563, 0.3283, 0.2612**, and **14.1924, 0.3856, 0.2346** is the 20% darker color. If you saturate the color by 10%, you get **28.1943, 0.3860, 0.2422**, and if you desaturate by 10%, it is **39.8541, 0.3539, 0.2693**.

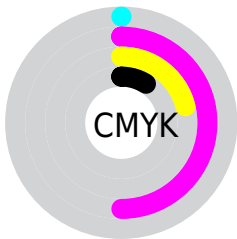
Distribution



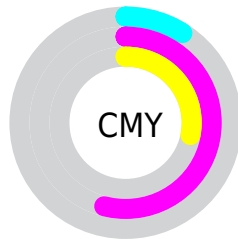
- Red (91%)
- Green (46%)
- Blue (72%)



- Red (91%)
- Yellow (46%)
- Blue (72%)



- Cyan (0%)
- Magenta (50%)
- Yellow (21%)
- Black (9%)





- Cyan (9%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3391, 0.3690, 0.2548 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 33.3391, 0.3690, 0.2548 by changing the saturation by 10% instead.


 33.3391, 0.3690,
0.2548


 33.3391, 0.3690,
0.2548


317.1750, 0.3405,
0.2915

 22.3863, 0.3762,
0.2458


 64.9046, 0.3586,
0.2680

 14.1411, 0.3854,
0.2343


 86.2861, 0.3547,
0.2730

 8.2188, 0.3978,
0.2193


 111.9127, 0.3514,
0.2773

 4.2353, 0.4151,
0.1989

142.1687, 0.3486,
0.2809

 1.8060, 0.4408,
0.1696

177.4385, 0.3462,
0.2841

 0.4909, 0.4888,
0.1142

218.1066, 0.3441,

 0.0000, 0.6539,

0.2869

0.0000

264.5573, 0.3422,
0.2894

0.0000, 0.0000,
0.0000

33.3391, 0.3690,
0.2548

33.3391, 0.3690,
0.2548

28.1943, 0.3860,
0.2422

39.8541, 0.3539,
0.2693

24.3135, 0.4046,
0.2328

47.8255, 0.3408,
0.2846

21.5828, 0.4241,
0.2276


57.3380, 0.3296,
0.3001

19.8653, 0.4438,
0.2276


68.4683, 0.3202,
0.3153


18.9377, 0.4629,
0.2326

81.2880, 0.3124,
0.3296

 18.9025, 0.4638,
0.2329

 95.0867, 0.3059,
0.3419

 95.6845, 0.3005,
0.3322

 95.8903, 0.2987,
0.3290

Harmonies

Analogous

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



33.3391, 0.2828, 0.2181



33.3391, 0.3690, 0.2548



33.3391, 0.4459, 0.3070

Triad

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



33.3391, 0.3690, 0.2548



33.3391, 0.4015, 0.4750



33.3391, 0.1700, 0.2557

Complementary

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



33.3391, 0.3690, 0.2548



64.1966, 0.2811, 0.4198

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.



33.3391, 0.1925, 0.3319



33.3391, 0.3690, 0.2548



33.3391, 0.3236, 0.4815

Square

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



33.3391, 0.3690, 0.2548



33.3391, 0.4603, 0.4271



33.3391, 0.2469, 0.4241



33.3391, 0.1783, 0.2139

Rectangle

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



33.3391, 0.3690, 0.2548



33.3391, 0.4746, 0.3464



33.3391, 0.2469, 0.4241



33.3391, 0.1739, 0.2775

Sweetspot

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



33.3407, 0.3690, 0.2548



76.9906, 0.3252, 0.3070



26.5462, 0.2556, 0.1863



15.8683, 0.3273, 0.3037



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.



33.3407, 0.3690, 0.2548



35.0853, 0.3856, 0.2425



31.4033, 0.4407, 0.3186



14.5081, 0.3202, 0.3154



10.5230, 0.4608, 0.2312



0.7960, 0.4348, 0.2169

Inverse Universe

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



33.3407, 0.3690, 0.2548



35.0853, 0.3856, 0.2425



66.7739, 0.2523, 0.3409



14.5081, 0.3202, 0.3154



10.5230, 0.4608, 0.2312



0.7960, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 33.3391, 0.3690, 0.2548 looks on a white background.

Color Contrast Check

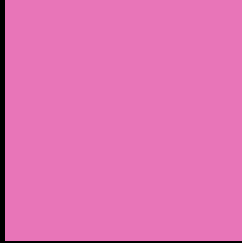
Large Text (above 18pt) WCAG AA × Fail

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 33.3391, 0.3690, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

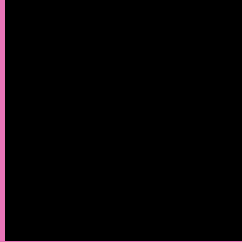
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3391, 0.3690, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 33.3391, 0.3690, 0.2548.



This preview shows how white text looks on a background with the Yxy color 33.3391, 0.3690, 0.2548.

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

33.3391, 0.3690, 0.2548

Protanopia

33.7586, 0.2567, 0.2524

Deuteranopia

33.6782, 0.2990, 0.2933



Tritanopia

33.2872, 0.4186, 0.3188

Trichromacy



Original Color

33.3391, 0.3690, 0.2548



Protanomaly

32.2655, 0.2902, 0.2495



Deuteranomaly

32.6163, 0.3224, 0.2760



Tritanomaly

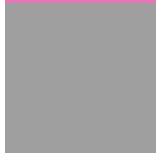
33.1238, 0.4016, 0.2946

Monochromacy



Original Color

33.3391, 0.3690, 0.2548



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.2128, 0.3330, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3391, 0.3690, 0.2548 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(232, 117, 184)` looks like.

```
.text, #text, p{  
    color:rgb(232, 117, 184)  
}
```

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(232, 117, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 117, 184) }
```

Border

The CSS property to change the border of an element to Yxy 33.3391, 0.3690, 0.2548 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(232, 117, 184) }
```

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

```
.border{ border-color:rgb(232, 117, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 117, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 117, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 117, 184);  
box-shadow:4px 4px 4px 4px rgb(232, 117,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3391, 0.3690, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 117, 184) }
```

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

```
.background{ background-color: rgb(232,  
117, 184) }
```

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