

Converting Colors

$Y_{xy}(35.3238, 0.3615, 0.2688)$

Have a look what the booklet for
Yxy(35.3238, 0.3615, 0.2688)
contains.

Yxy(35.3502, 0.3613, 0.2690)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3502, 0.3613, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	E182B6
RGB	225, 130, 182
RGB Percent	88%, 51%, 71%
CMY	0.1176, 0.4902, 0.2862
CMYK	0.00, 0.42, 0.19, 0.12
HSL	327°, 61%, 70%
HSV	327°, 42%, 88%
XYZ	47.4797, 35.3502, 48.5835
YIQ	164.3330, 39.9280, 36.3120

Conversions

Conversions Part 2

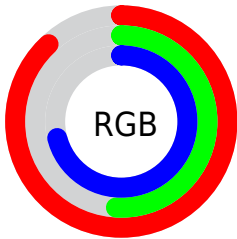
Format	Color
R _Y B	225, 130, 182
Decimal	14779062
CIE _{Lab}	66.02, 43.19, -11.41
CIE _{LCh}	66, 44.675, 345.196
Yxy	35.3502, 0.3613, 0.2690
Android (android.graphics.Color)	4292969142 (0xFFE182B6)
YUV	164.3330, 8.7098, 53.2050
Hunter-Lab	59.4560, 38.4962, -6.8286

Details

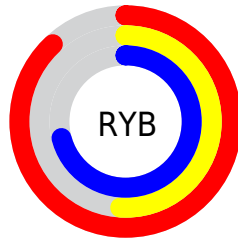
The Yxy color **35.3502, 0.3613, 0.2690** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.6162, 0.2828, 0.3990**, and the grayscale version is **37.2358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1310, 0.3288, 0.2760**, and **15.3586, 0.3761, 0.2529** is the 20% darker color. If you saturate the color by 10%, you get **29.6005, 0.3784, 0.2557**, and if you desaturate by 10%, it is **42.4425, 0.3465, 0.2834**.

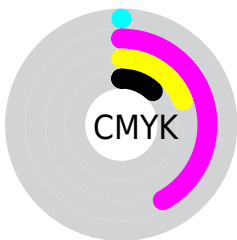
Distribution



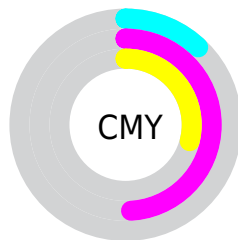
- Red (88%)
- Green (51%)
- Blue (71%)



- Red (88%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (42%)
- Yellow (19%)
- Black (12%)





- Cyan (12%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3502, 0.3613, 0.2690 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 35.3502, 0.3613, 0.2690 by changing the saturation by 10% instead.

 35.3502, 0.3613,
0.2690


 35.3502, 0.3613,
0.2690


326.1114, 0.3367,
0.2989


 23.9328, 0.3675,
0.2616


 68.0279, 0.3523,
0.2798

 15.2838, 0.3756,
0.2522


 90.0570, 0.3489,
0.2839

 9.0188, 0.3865,
0.2397


 116.3921, 0.3461,
0.2873

 4.7534, 0.4017,
0.2225

147.4176, 0.3436,
0.2903

 2.1033, 0.4247,
0.1974

183.5179, 0.3415,
0.2929

 0.6665, 0.4649,
0.1547

225.0773, 0.3397,


 0.0000, 0.6663,


0.2951


0.0000


272.4804, 0.3381,
0.2971


 0.0000, 0.0000,
0.0000


 35.3502, 0.3613,
0.2690

 35.3502, 0.3613,
0.2690


 29.6005, 0.3784,
0.2557


 42.4425, 0.3465,
0.2834


 25.1016, 0.3976,
0.2446

 50.9513, 0.3339,
0.2980

 21.7578, 0.4184,
0.2369


 60.9513, 0.3233,
0.3124


 19.4575, 0.4402,
0.2338

 72.5102, 0.3145,
0.3261

 18.0664, 0.4619,
0.2360

 85.6918, 0.3071,
0.3389

 17.4431, 0.4783,
0.2408

 94.0059, 0.3011,
0.3410

 94.6387, 0.2956,
0.3307

 94.7485, 0.2946,
0.3289

Harmonies

Analogous

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



35.3502, 0.2914, 0.2370



35.3502, 0.3613, 0.2690



35.3502, 0.4218, 0.3142

Triad

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



35.3502, 0.3613, 0.2690



35.3502, 0.3861, 0.4495



35.3502, 0.1934, 0.2691

Complementary

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



35.3502, 0.3613, 0.2690



61.6162, 0.2828, 0.3990

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.



35.3502, 0.2126, 0.3305



35.3502, 0.3613, 0.2690



35.3502, 0.3218, 0.4487

Square

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



35.3502, 0.3613, 0.2690



35.3502, 0.4338, 0.4149



35.3502, 0.2583, 0.4018



35.3502, 0.2011, 0.2334

Rectangle

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



35.3502, 0.3613, 0.2690



35.3502, 0.4444, 0.3482



35.3502, 0.2583, 0.4018



35.3502, 0.1967, 0.2870

Sweetspot

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



35.3519, 0.3613, 0.2690



79.7141, 0.3241, 0.3111



30.2581, 0.2690, 0.2101



16.4012, 0.3264, 0.3080



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.



35.3519, 0.3613, 0.2690



39.9069, 0.3768, 0.2568



33.7162, 0.4166, 0.3237



13.8255, 0.3207, 0.3162



10.0749, 0.4752, 0.2391



0.7163, 0.4449, 0.2225

Inverse Universe

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



35.3519, 0.3613, 0.2690



39.9069, 0.3768, 0.2568



63.7802, 0.2577, 0.3348



13.8255, 0.3207, 0.3162



10.0749, 0.4752, 0.2391



0.7163, 0.4449, 0.2225

Previews

White Background



This preview shows how the Yxy color 35.3502, 0.3613, 0.2690 looks on a white background.

Color Contrast Check

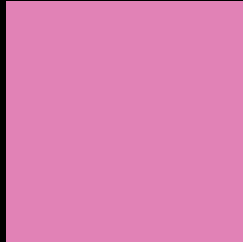
Large Text (above 18pt) WCAG AA × Fail

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 35.3502, 0.3613, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

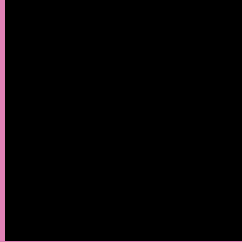
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3502, 0.3613, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 35.3502, 0.3613, 0.2690.



This preview shows how white text looks on a background with the Yxy color 35.3502, 0.3613, 0.2690.

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

35.3502, 0.3613, 0.2690

Protanopia

35.6399, 0.2707, 0.2693

Deuteranopia

35.3863, 0.3064, 0.2997



Tritanopia

35.3701, 0.3949, 0.3172

Trichromacy



Original Color

35.3502, 0.3613, 0.2690



Protanomaly

34.5849, 0.2993, 0.2668



Deuteranomaly

34.9409, 0.3248, 0.2869



Tritanomaly

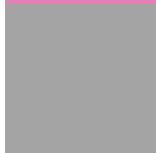
35.1179, 0.3820, 0.2982

Monochromacy



Original Color

35.3502, 0.3613, 0.2690



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.8359, 0.3289, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3502, 0.3613, 0.2690 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(225, 130, 182)` looks like.

```
.text, #text, p{  
    color:rgb(225, 130, 182)  
}
```

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(225, 130, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 130, 182) }
```

Border

The CSS property to change the border of an element to Yxy 35.3502, 0.3613, 0.2690 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(225, 130, 182) }
```

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

```
.border{ border-color:rgb(225, 130, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 130, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 130, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 130, 182); box-shadow:4px 4px 4px 4px rgb(225, 130, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3502, 0.3613, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 130, 182) }
```

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

```
.background{ background-color: rgb(225,  
130, 182) }
```

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