

Converting Colors

$Y_{xy}(38.2167, 0.3442, 0.2538)$

Have a look what the booklet for
Yxy(38.2167, 0.3442, 0.2538)
contains.

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Color

Yxy(38.1375, 0.3444, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	E686CA
RGB	230, 134, 202
RGB Percent	90%, 53%, 79%
CMY	0.0981, 0.4744, 0.2079
CMYK	0.00, 0.42, 0.12, 0.10
HSL	318°, 66%, 71%
HSV	318°, 42%, 90%
XYZ	51.8128, 38.1375, 60.4934
YIQ	170.4560, 35.3880, 41.5000

Conversions

Conversions Part 2

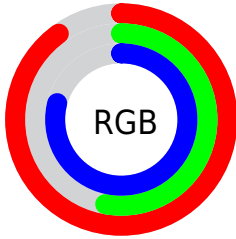
Format	Color
R _{YB}	230, 134, 202
Decimal	15107786
CIE _{Lab}	68.12, 45.85, -19.38
CIE _{LCh}	68, 49.780, 337.090
Yxy	38.1375, 0.3444, 0.2535
Android (android.graphics.Color)	4293297866 (0xFFE686CA)
YUV	170.4560, 15.5512, 52.2201
Hunter-Lab	61.7556, 41.6890, -14.8494

Details

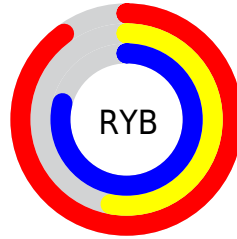
The Yxy color **38.1375, 0.3444, 0.2535** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.2645, 0.2915, 0.4196**, and the grayscale version is **40.3471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **16.9072, 0.3527, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **32.1461, 0.3549, 0.2367**, and if you desaturate by 10%, it is **45.5286, 0.3350, 0.2716**.

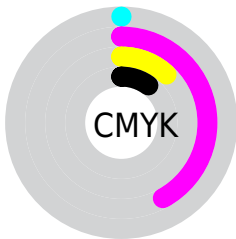
Distribution



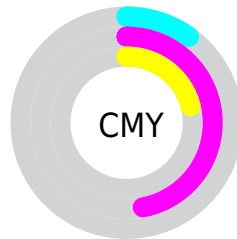
- Red (90%)
- Green (53%)
- Blue (79%)



- Red (90%)
- Yellow (53%)
- Blue (79%)



- Cyan (0%)
- Magenta (42%)
- Yellow (12%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1375, 0.3444, 0.2535 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 38.1375, 0.3444, 0.2535 by changing the saturation by 10% instead.

 38.1375, 0.3444,
0.2535


 38.1375, 0.3444,
0.2535


338.2094, 0.3292,
0.2899

 26.0894, 0.3480,
0.2448


 72.3188, 0.3390,
0.2664

 16.8906, 0.3524,
0.2340


 95.2209, 0.3370,
0.2714

 10.1565, 0.3582,
0.2200


 122.5097, 0.3352,
0.2756

 5.5028, 0.3658,
0.2013

154.5697, 0.3337,
0.2792

 2.5452, 0.3761,
0.1753

191.7853, 0.3324,
0.2824

 0.8992, 0.3910,
0.1375

234.5409, 0.3312,


 0.0000, 0.4482,


0.2852


0.0000

283.2208, 0.3302,
0.2877

 0.0000, 0.0000,
0.0000

 38.1375, 0.3444,
0.2535

 38.1375, 0.3444,
0.2535


 32.1461, 0.3549,
0.2367


 45.5286, 0.3350,
0.2716

 27.4584, 0.3664,
0.2223


 54.3966, 0.3268,
0.2901


 23.9747, 0.3785,
0.2113


 64.8194, 0.3197,
0.3084

 21.5785, 0.3909,
0.2047

 76.8678, 0.3137,
0.3260

 20.1299, 0.4032,
0.2031

 90.6084, 0.3086,
0.3427

 19.4600, 0.4131,
0.2049

 94.7662, 0.3046,
0.3418

 95.1775, 0.3009,
0.3350

 95.5604, 0.2976,
0.3290

Harmonies

Analogous

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



38.1375, 0.2707, 0.2244



38.1375, 0.3444, 0.2535



38.1375, 0.4161, 0.2985

Triad

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



38.1375, 0.3444, 0.2535



38.1375, 0.4076, 0.4514



38.1375, 0.1872, 0.2789

Complementary

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



38.1375, 0.3444, 0.2535



64.2645, 0.2915, 0.4196

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.



38.1375, 0.2152, 0.3514



38.1375, 0.3444, 0.2535



38.1375, 0.3410, 0.4650

Square

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



38.1375, 0.3444, 0.2535



38.1375, 0.4518, 0.4066



38.1375, 0.2706, 0.4270



38.1375, 0.1880, 0.2332

Rectangle

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



38.1375, 0.3444, 0.2535



38.1375, 0.4482, 0.3336



38.1375, 0.2706, 0.4270



38.1375, 0.1933, 0.3006

Sweetspot

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



38.1393, 0.3444, 0.2535



80.0354, 0.3206, 0.3060



30.3668, 0.2560, 0.2071



16.4807, 0.3221, 0.3020



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.



38.1393, 0.3444, 0.2535



41.6192, 0.3533, 0.2390



36.2363, 0.3963, 0.3052



14.5398, 0.3182, 0.3125



11.0411, 0.4113, 0.2039



0.8319, 0.3950, 0.1949

Inverse Universe

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



38.1393, 0.3444, 0.2535



41.6192, 0.3533, 0.2390



66.2679, 0.2662, 0.3552



14.5398, 0.3182, 0.3125



11.0411, 0.4113, 0.2039



0.8319, 0.3950, 0.1949

Previews

White Background



This preview shows how the Yxy color 38.1375, 0.3444, 0.2535 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 38.1375, 0.3444, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

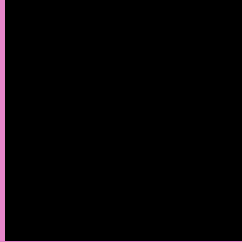
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1375, 0.3444, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 38.1375, 0.3444, 0.2535.



This preview shows how white text looks on a background with the Yxy color 38.1375, 0.3444, 0.2535.

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

38.1375, 0.3444, 0.2535

Protanopia

38.4168, 0.2559, 0.2501

Deuteranopia

38.5504, 0.2890, 0.2833



Tritanopia

38.2872, 0.3884, 0.3174

Trichromacy



Original Color

38.1375, 0.3444, 0.2535



Protanomaly

37.3240, 0.2832, 0.2494



Deuteranomaly

37.6564, 0.3079, 0.2695



Tritanomaly

38.0273, 0.3731, 0.2931

Monochromacy



Original Color

38.1375, 0.3444, 0.2535



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6978, 0.3238, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1375, 0.3444, 0.2535 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(230, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(230, 134, 202)  
}
```

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(230, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 134, 202) }
```

Border

The CSS property to change the border of an element to Yxy 38.1375, 0.3444, 0.2535 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(230, 134, 202) }
```

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

```
.border{ border-color:rgb(230, 134, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 134, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 134,  
202) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.1375, 0.3444, 0.2535$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 134, 202) }
```

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

```
.background{ background-color: rgb(230,  
134, 202) }
```

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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