

Converting Colors

$Y_{xy}(33.1180, 0.3502, 0.2177)$

Have a look what the booklet for
Yxy(33.1180, 0.3502, 0.2177)
contains.

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Color

Yxy(33.1335, 0.3497, 0.2176)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F266D4 |
| RGB | 242, 102, 212 |
| RGB Percent | 95%, 40%, 83% |
| CMY | 0.0511, 0.5999, 0.1686 |
| CMYK | 0.00, 0.58, 0.12, 0.05 |
| HSL | 313°, 84%, 67% |
| HSV | 313°, 58%, 95% |
| XYZ | 53.2481, 33.1335, 65.8863 |
| YIQ | 156.4000, 48.1300, 63.8900 |

Conversions

Conversions Part 2

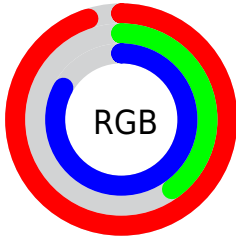
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 242, 102, 212 |
| Decimal | 15886036 |
| CIE Lab | 64.27, 66.20, -30.77 |
| CIE LCh | 64, 73.000, 335.071 |
| Yxy | 33.1335, 0.3497, 0.2176 |
| Android (android.graphics.Color) | 4294076116 (0xFFFF266D4) |
| YUV | 156.4000, 27.4108, 75.0712 |
| Hunter-Lab | 57.5617, 64.3904, -27.5714 |

Details

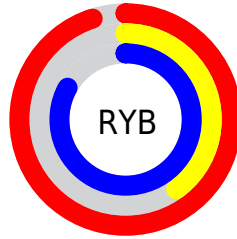
The Yxy color **33.1335, 0.3497, 0.2176** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **67.9816, 0.2912, 0.4783**, and the grayscale version is **33.2967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **14.0192, 0.3583, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **28.7943, 0.3582, 0.2040**, and if you desaturate by 10%, it is **38.8719, 0.3416, 0.2344**.

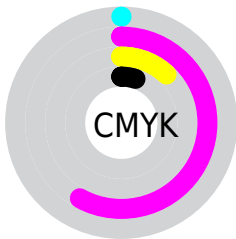
Distribution



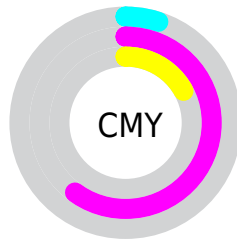
- Red (95%)
- Green (40%)
- Blue (83%)



- Red (95%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (58%)
- Yellow (12%)
- Black (5%)





- Cyan (5%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1335, 0.3497, 0.2176 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 33.1335, 0.3497, 0.2176 by changing the saturation by 10% instead.


 33.1335, 0.3497,
0.2176


 33.1335, 0.3497,
0.2176


316.2509, 0.3329,
0.2703


 22.2287, 0.3534,
0.2055


 64.5839, 0.3440,
0.2360


 14.0251, 0.3578,
0.1905


 85.8983, 0.3417,
0.2431

 8.1381, 0.3631,
0.1717


 111.4514, 0.3397,
0.2492

 4.1834, 0.3696,
0.1475

 141.6276, 0.3380,
0.2546

 1.7767, 0.3773,
0.1159

176.8112, 0.3365,
0.2592

 0.4726, 0.3884,
0.0667

217.3867, 0.3352,


 0.0000, 0.3980,


0.2633


0.0000


263.7385, 0.3339,
0.2670

 0.0000, 0.0000,
0.0000


 33.1335, 0.3497,
0.2176


 33.1335, 0.3497,
0.2176


 28.7943, 0.3582,
0.2040


 38.8719, 0.3416,
0.2344


 25.7250, 0.3668,
0.1944


 46.1144, 0.3342,
0.2534


 23.7803, 0.3752,
0.1895

 54.9615, 0.3274,
0.2735

 22.7612, 0.3833,
0.1892

 65.5035, 0.3215,
0.2938

 22.5983, 0.3850,
0.1895

 77.8239, 0.3163,
0.3139

■ 92.0008, 0.3118,
0.3331

■ 97.1874, 0.3085,
0.3356

■ 97.5139, 0.3056,
0.3305

■ 97.6129, 0.3047,
0.3290

Harmonies

Analogous

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



33.1335, 0.2420, 0.1807



33.1335, 0.3497, 0.2176



33.1335, 0.4643, 0.2756

Triad

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



33.1335, 0.3497, 0.2176



33.1335, 0.4459, 0.4964



33.1335, 0.1363, 0.2533

Complementary

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



33.1335, 0.3497, 0.2176



67.9816, 0.2912, 0.4783

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.



33.1335, 0.1724, 0.3681



33.1335, 0.3497, 0.2176



33.1335, 0.3496, 0.5421

Square

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



33.1335, 0.3497, 0.2176



33.1335, 0.5153, 0.4198



33.1335, 0.2495, 0.4963



33.1335, 0.1373, 0.1910

Rectangle

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



33.1335, 0.3497, 0.2176



33.1335, 0.5155, 0.3209



33.1335, 0.2495, 0.4963



33.1335, 0.1438, 0.2859

Sweetspot

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



33.1351, 0.3497, 0.2176



74.8088, 0.3210, 0.2954



20.6643, 0.2188, 0.1508



15.4594, 0.3221, 0.2913



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.



33.1351, 0.3497, 0.2176



31.8863, 0.3593, 0.2024



30.3948, 0.4352, 0.2851



15.9701, 0.3171, 0.3106



12.1637, 0.3837, 0.1888



1.0262, 0.3738, 0.1833

Inverse Universe

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



33.1351, 0.3497, 0.2176



31.8863, 0.3593, 0.2024



70.4858, 0.2592, 0.3833



15.9701, 0.3171, 0.3106



12.1637, 0.3837, 0.1888



1.0262, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 33.1335, 0.3497, 0.2176 looks on a white background.

Color Contrast Check

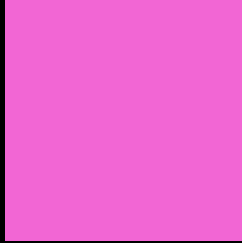
Large Text (above 18pt) WCAG AA × Fail

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 33.1335, 0.3497, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

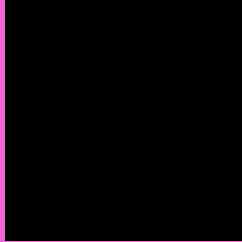
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1335, 0.3497, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 33.1335, 0.3497, 0.2176.

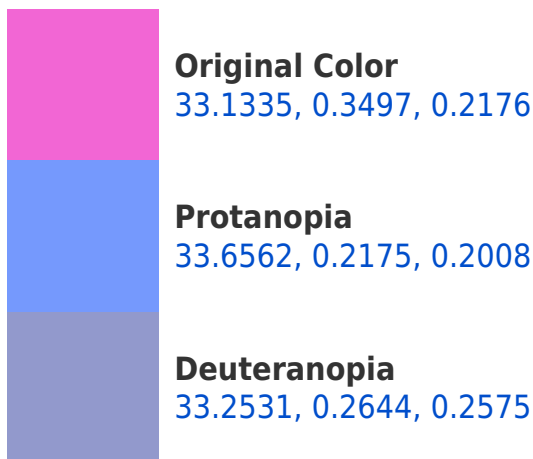


This preview shows how white text looks on a background with the Yxy color 33.1335, 0.3497, 0.2176.

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





Tritanopia

33.0502, 0.4346, 0.3193

Trichromacy



Original Color

33.1335, 0.3497, 0.2176



Protanomaly

30.9046, 0.2514, 0.1999



Deuteranomaly

31.3789, 0.2915, 0.2355



Tritanomaly

32.8041, 0.4041, 0.2797

Monochromacy



Original Color

33.1335, 0.3497, 0.2176



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.3077, 0.3269, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1335, 0.3497, 0.2176 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(242, 102, 212)` looks like.

```
.text, #text, p{  
    color:rgb(242, 102, 212)  
}
```

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(242, 102, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 102, 212) }
```

Border

The CSS property to change the border of an element to Yxy 33.1335, 0.3497, 0.2176 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(242, 102, 212) }
```

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

```
.border{ border-color:rgb(242, 102, 212) }
```

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

Here you see how a box with a 4 pixel rgb(242, 102, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(242, 102,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1335, 0.3497, 0.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 102, 212) }
```

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

```
.background{ background-color: rgb(242,  
102, 212) }
```

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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