

Converting Colors

$Yxy(33.3972, 0.3514, 0.2022)$

Have a look what the booklet for
Yxy(33.3972, 0.3514, 0.2022)
contains.

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Color

Yxy(33.4582, 0.3511, 0.2022)

Conversions

Conversions Part 1

Format	Color
Hex	FF57E0
RGB	255, 87, 224
RGB Percent	100%, 34%, 88%
CMY	0.0001, 0.6587, 0.1216
CMYK	0.00, 0.66, 0.12, 0.00
HSL	311°, 100%, 67%
HSV	311°, 66%, 100%
XYZ	58.0968, 33.4582, 73.9158
YIQ	152.8500, 56.1510, 78.2230

Conversions

Conversions Part 2

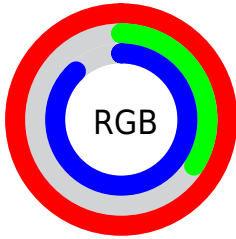
Format	Color
R _Y B	255, 87, 224
Decimal	16734176
CIE Lab	64.53, 77.22, -36.93
CIE LCh	65, 85.597, 334.442
Yxy	33.4582, 0.3511, 0.2022
Android (android.graphics.Color)	4294924256 (0xFFFF57E0)
YUV	152.8500, 35.0770, 89.5856
Hunter-Lab	57.8431, 78.0577, -35.2747

Details

The Yxy color **33.4582, 0.3511, 0.2022** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **74.8435, 0.2920, 0.5087**, and the grayscale version is **31.6189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **14.4293, 0.3594, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **29.7812, 0.3584, 0.1914**, and if you desaturate by 10%, it is **38.6028, 0.3439, 0.2170**.

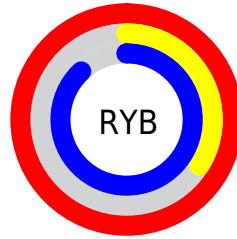
Distribution



Red (100%)

Green (34%)

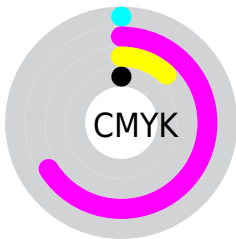
Blue (88%)



Red (100%)

Yellow (34%)

Blue (88%)

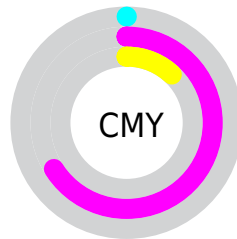


Cyan (0%)

Magenta (66%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4582, 0.3511, 0.2022 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 33.4582, 0.3511, 0.2022 by changing the saturation by 10% instead.


 33.4582, 0.3511,
0.2022


 33.4582, 0.3511,
0.2022


317.7094, 0.3344,
0.2607


 22.4777, 0.3545,
0.1891


 65.0902, 0.3456,
0.2223

 14.2083, 0.3585,
0.1733


 86.5105, 0.3434,
0.2302

 8.2657, 0.3631,
0.1537


 112.1796, 0.3414,
0.2370

 4.2654, 0.3683,
0.1292

 142.4817, 0.3397,
0.2430

 1.8231, 0.3737,
0.0984

177.8014, 0.3381,
0.2482

 0.5015, 0.3798,
0.0550

218.5230, 0.3368,

 0.0000, 0.3812,

0.2529

0.0000

265.0308, 0.3355,
0.2570

0.0000, 0.2641,
0.0000

0.0000, 0.0000,
0.0000

33.4582, 0.3511,
0.2022

33.4582, 0.3511,
0.2022

29.7812, 0.3584,
0.1914

38.6028, 0.3439,
0.2170

27.4056, 0.3655,
0.1853

45.3481, 0.3370,
0.2348


26.1327, 0.3723,
0.1837

53.8179, 0.3306,
0.2546

25.8075, 0.3751,
0.1840

64.1223, 0.3248,
0.2755

 76.3623, 0.3196,
0.2966

 90.6315, 0.3151,
0.3173

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



33.4582, 0.2289, 0.1628



33.4582, 0.3511, 0.2022



33.4582, 0.4865, 0.2647

Triad

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



33.4582, 0.3511, 0.2022



33.4582, 0.4578, 0.5104



33.4582, 0.1157, 0.2409

Complementary

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



33.4582, 0.3511, 0.2022



74.8435, 0.2920, 0.5087

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.



33.4582, 0.1533, 0.3759



33.4582, 0.3511, 0.2022



33.4582, 0.3491, 0.5764

Square

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



33.4582, 0.3511, 0.2022



33.4582, 0.5403, 0.4197



33.4582, 0.2380, 0.5327



33.4582, 0.1173, 0.1730

Rectangle

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



33.4582, 0.3511, 0.2022



33.4582, 0.5462, 0.3130



33.4582, 0.2380, 0.5327



33.4582, 0.1233, 0.2781

Sweetspot

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



33.4598, 0.3511, 0.2022



71.0745, 0.3216, 0.2879



17.8798, 0.2017, 0.1248



14.4830, 0.3231, 0.2820



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.



33.4598, 0.3511, 0.2022



28.9101, 0.3607, 0.1890



29.9779, 0.4597, 0.2790



18.2395, 0.3166, 0.3098



13.5081, 0.3740, 0.1834



1.3295, 0.3669, 0.1795

Inverse Universe

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



33.4598, 0.3511, 0.2022



28.9101, 0.3607, 0.1890



77.7897, 0.2565, 0.3964



18.2395, 0.3166, 0.3098



13.5081, 0.3740, 0.1834



1.3295, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 33.4582, 0.3511, 0.2022 looks on a white background.

Color Contrast Check

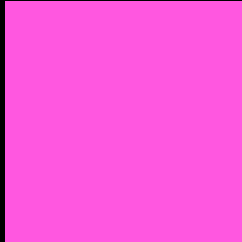
Large Text (above 18pt) WCAG AA × Fail

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 33.4582, 0.3511, 0.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

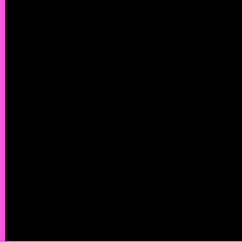
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4582, 0.3511, 0.2022

Background



This preview shows how black text looks on a background with the Yxy color 33.4582, 0.3511, 0.2022.



This preview shows how white text looks on a background with the Yxy color 33.4582, 0.3511, 0.2022.

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

33.4582, 0.3511, 0.2022

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

33.7867, 0.2526, 0.2473



Tritanopia

33.3585, 0.4576, 0.3211

Trichromacy



Original Color

33.4582, 0.3511, 0.2022



Protanomaly

30.7124, 0.2510, 0.1915



Deuteranomaly

30.8510, 0.2820, 0.2192



Tritanomaly

32.7810, 0.4199, 0.2728

Monochromacy



Original Color

33.4582, 0.3511, 0.2022



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.9023, 0.3277, 0.2633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4582, 0.3511, 0.2022 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(255, 87, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 224)  
}
```

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(255, 87, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 224) }
```

Border

The CSS property to change the border of an element to Yxy 33.4582, 0.3511, 0.2022 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(255, 87, 224) }
```

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

```
.border{ border-color:rgb(255, 87, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4582, 0.3511, 0.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 224) }
```

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

```
.background{ background-color: rgb(255, 87,  
224) }
```

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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