

Converting Colors

$Y_{xy}(34.2128, 0.3198, 0.1761)$

Have a look what the booklet for
Yxy(34.2128, 0.3198, 0.1761)
contains.

Yxy(34.2173, 0.3199, 0.1761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.2173, 0.3199, 0.1761)

Conversions

Conversions Part 1

Format	Color
Hex	FF50FF
RGB	255, 80, 255
RGB Percent	100%, 31%, 100%
CMY	0.0000, 0.6862, 0.0000
CMYK	0.00, 0.69, 0.00, 0.00
HSL	300°, 100%, 66%
HSV	300°, 69%, 100%
XYZ	62.1585, 34.2173, 97.9303
YIQ	152.2750, 48.1250, 91.5250

Conversions

Conversions Part 2

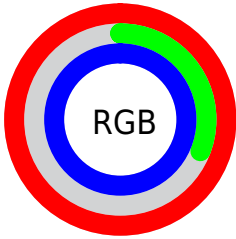
Format	Color
R _Y B	255, 80, 255
Decimal	16732415
CIE Lab	65.13, 84.28, -53.17
CIE LCh	65, 99.651, 327.755
Yxy	34.2173, 0.3199, 0.1761
Android (android.graphics.Color)	4294922495 (0xFFFF50FF)
YUV	152.2750, 50.6434, 90.0898
Hunter-Lab	58.4956, 87.3103, -58.3134

Details

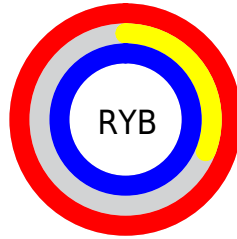
The Yxy color **34.2173, 0.3199, 0.1761** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light muted magenta. A complement of this color would be **73.8052, 0.3023, 0.5507**, and the grayscale version is **31.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **15.5466, 0.3159, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **31.1653, 0.3204, 0.1647**, and if you desaturate by 10%, it is **38.6865, 0.3192, 0.1917**.

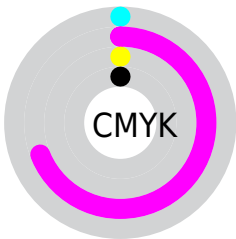
Distribution



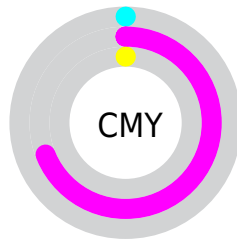
- Red (100%)
- Green (31%)
- Blue (100%)



- Red (100%)
- Yellow (31%)
- Blue (100%)



- Cyan (0%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2173, 0.3199, 0.1761 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 34.2173, 0.3199, 0.1761 by changing the saturation by 10% instead.


 34.2173, 0.3199,
0.1761


 34.2173, 0.3199,
0.1761


321.0999, 0.3203,
0.2436

 23.0606, 0.3188,
0.1619


 66.2714, 0.3208,
0.1986


 14.6382, 0.3170,
0.1451


 87.9377, 0.3210,
0.2077

 8.5659, 0.3140,
0.1251


 113.8758, 0.3210,
0.2156

 4.4591, 0.3088,
0.1012

 144.4704, 0.3209,
0.2225

 1.9336, 0.2996,
0.0731

180.1056, 0.3208,
0.2287

 0.5684, 0.2836,
0.0393

221.1661, 0.3207,

 0.0000, 0.2544,

0.2342

0.0000

268.0360, 0.3205,
0.2392

■ 0.0000, 0.1779,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2173, 0.3199,
0.1761

■ 34.2173, 0.3199,
0.1761

■ 31.1653, 0.3204,
0.1647

■ 38.6865, 0.3192,
0.1917

■ 29.3586, 0.3208,
0.1577

■ 44.7143, 0.3183,
0.2111

■ 28.5555, 0.3209,
0.1545

■ 52.4274, 0.3172,
0.2334

■ 28.4794, 0.3209,
0.1542

■ 61.9388, 0.3161,
0.2575

73.3519, 0.3149,
0.2826

86.7621, 0.3137,
0.3078

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.2173, 0.1945, 0.1408



34.2173, 0.3199, 0.1761



34.2173, 0.4801, 0.2382

Triad

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



34.2173, 0.3199, 0.1761



34.2173, 0.4892, 0.4978



34.2173, 0.1002, 0.2519

Complementary

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



34.2173, 0.3199, 0.1761



73.8052, 0.3023, 0.5507

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.



34.2173, 0.1481, 0.4259



34.2173, 0.3199, 0.1761



34.2173, 0.3702, 0.5970

Square

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



34.2173, 0.3199, 0.1761



34.2173, 0.5763, 0.3966



34.2173, 0.2481, 0.5970



34.2173, 0.0956, 0.1650

Rectangle

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



34.2173, 0.3199, 0.1761



34.2173, 0.5620, 0.2877



34.2173, 0.2481, 0.5970



34.2173, 0.1104, 0.3002

Sweetspot

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



34.2180, 0.3199, 0.1761



70.4633, 0.3152, 0.2766



14.6642, 0.1794, 0.1086



14.3933, 0.3155, 0.2697



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.



34.2180, 0.3199, 0.1761



30.4257, 0.3206, 0.1619



29.8071, 0.4233, 0.2467



18.3004, 0.3138, 0.3056



14.8811, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



34.2180, 0.3199, 0.1761



30.4257, 0.3206, 0.1619



76.0345, 0.2693, 0.4442



18.3004, 0.3138, 0.3056



14.8811, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.2173, 0.3199, 0.1761 looks on a white background.

Color Contrast Check

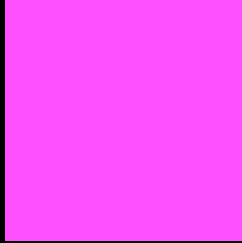
Large Text (above 18pt) WCAG AA × Fail

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 34.2173, 0.3199, 0.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

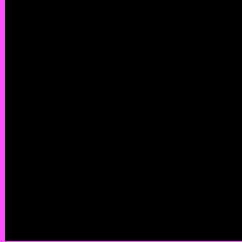
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2173, 0.3199, 0.1761

Background



This preview shows how black text looks on a background with the Yxy color 34.2173, 0.3199, 0.1761.



This preview shows how white text looks on a background with the Yxy color 34.2173, 0.3199, 0.1761.

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

34.2173, 0.3199, 0.1761

Protanopia

34.4446, 0.2172, 0.2016

Deuteranopia

34.6378, 0.2228, 0.2167



Tritanopia

33.9872, 0.4434, 0.3197

Trichromacy



Original Color

34.2173, 0.3199, 0.1761



Protanomaly

30.8738, 0.2440, 0.1806



Deuteranomaly

30.8962, 0.2491, 0.1891

Tritanomaly

32.9960, 0.3972, 0.2575

Monochromacy



Original Color

34.2173, 0.3199, 0.1761



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.4146, 0.3165, 0.2474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2173, 0.3199, 0.1761 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, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 255)  
}
```

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, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.2173, 0.3199, 0.1761 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, 80, 255) }
```

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

```
.border{ border-color:rgb(255, 80, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 80, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2173, 0.3199, 0.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 255) }
```

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

```
.background{ background-color: rgb(255, 80,  
255) }
```

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