

Converting Colors

$Yxy(33.1828, 0.3201, 0.1723)$

Have a look what the booklet for
Yxy(33.1828, 0.3201, 0.1723)
contains.

Yxy(33.2451, 0.3201, 0.1725)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.2451, 0.3201, 0.1725)

Conversions

Conversions Part 1

Format	Color
Hex	FF49FF
RGB	255, 73, 255
RGB Percent	100%, 29%, 100%
CMY	0.0000, 0.7141, 0.0000
CMYK	0.00, 0.71, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 71%, 100%
XYZ	61.6913, 33.2451, 97.7888
YIQ	148.1660, 50.0500, 95.1860

Conversions

Conversions Part 2

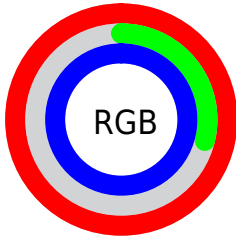
Format	Color
R _{YB}	255, 73, 255
Decimal	16730623
CIE _{Lab}	64.36, 86.54, -54.41
CIE _{LCh}	64, 102.222, 327.839
Y _{xy}	33.2451, 0.3201, 0.1725
Android (android.graphics.Color)	4294920703 (0xFFFF49FF)
YUV	148.1660, 52.6692, 93.6934
Hunter-Lab	57.6586, 90.0822, -60.1947

Details

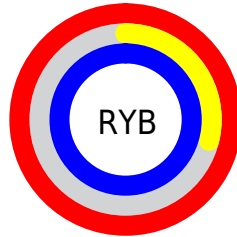
The Yxy color **33.2451, 0.3201, 0.1725** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.4130, 0.3020, 0.5584**, and the grayscale version is **29.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **30.5462, 0.3205, 0.1623**, and if you desaturate by 10%, it is **37.2929, 0.3194, 0.1870**.

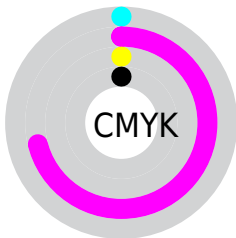
Distribution



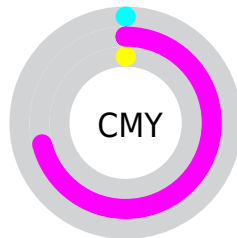
- Red (100%)
- Green (29%)
- Blue (100%)



- Red (100%)
- Yellow (29%)
- Blue (100%)



- Cyan (0%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2451, 0.3201, 0.1725 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 33.2451, 0.3201, 0.1725 by changing the saturation by 10% instead.


 33.2451, 0.3201,
0.1725


 33.2451, 0.3201,
0.1725


316.7527, 0.3206,
0.2415


 22.3143, 0.3190,
0.1580


 64.7580, 0.3211,
0.1955


 14.0880, 0.3170,
0.1409


 86.1089, 0.3213,
0.2047

 8.1819, 0.3138,
0.1207


 111.7019, 0.3213,
0.2128

 4.2116, 0.3083,
0.0966

 141.9214, 0.3212,
0.2199

 1.7926, 0.2986,
0.0685

177.1519, 0.3211,
0.2262

 0.4826, 0.2821,
0.0338

217.7776, 0.3210,

 0.0000, 0.2504,

0.2319

0.0000

264.1831, 0.3208,
0.2369

■ 0.0000, 0.1706,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2451, 0.3201,
0.1725

■ 33.2451, 0.3201,
0.1725

■ 30.5462, 0.3205,
0.1623

■ 37.2929, 0.3194,
0.1870

■ 29.0505, 0.3208,
0.1564

■ 42.8735, 0.3185,
0.2054

■ 28.4800, 0.3209,
0.1542

■ 50.1059, 0.3175,
0.2269

■ 59.1062, 0.3164,
0.2507

69.9802, 0.3152,
0.2756

82.8255, 0.3140,
0.3008

97.7328, 0.3129,
0.3256

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.



33.2451, 0.1915, 0.1367



33.2451, 0.3201, 0.1725



33.2451, 0.4860, 0.2355

Triad

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



33.2451, 0.3201, 0.1725



33.2451, 0.4910, 0.4997



33.2451, 0.0952, 0.2481

Complementary

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



33.2451, 0.3201, 0.1725



73.4130, 0.3020, 0.5584

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.



33.2451, 0.1428, 0.4285



33.2451, 0.3201, 0.1725



33.2451, 0.3681, 0.6043

Square

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



33.2451, 0.3201, 0.1725



33.2451, 0.5820, 0.3952



33.2451, 0.2439, 0.6079



33.2451, 0.0913, 0.1603

Rectangle

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



33.2451, 0.3201, 0.1725



33.2451, 0.5703, 0.2855



33.2451, 0.2439, 0.6079



33.2451, 0.1052, 0.2976

Sweetspot

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



33.2337, 0.3201, 0.1725



70.4634, 0.3152, 0.2766



13.3868, 0.1748, 0.1010



14.3934, 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.



33.2337, 0.3201, 0.1725



29.7237, 0.3207, 0.1591



28.6925, 0.4301, 0.2452



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



33.2337, 0.3201, 0.1725



29.7237, 0.3207, 0.1591



75.6118, 0.2688, 0.4497



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.2451, 0.3201, 0.1725 looks on a white background.

Color Contrast Check

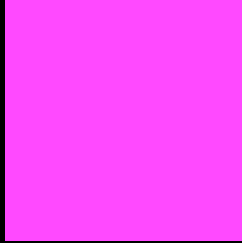
Large Text (above 18pt) WCAG AA × Fail

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 33.2451, 0.3201, 0.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

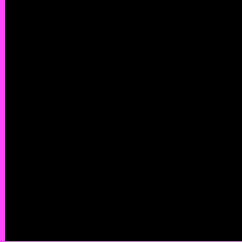
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2451, 0.3201, 0.1725

Background



This preview shows how black text looks on a background with the Yxy color 33.2451, 0.3201, 0.1725.



This preview shows how white text looks on a background with the Yxy color 33.2451, 0.3201, 0.1725.

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

33.2451, 0.3201, 0.1725

Protanopia

33.5132, 0.2146, 0.1984

Deuteranopia

33.5672, 0.2200, 0.2142



Tritanopia

32.7542, 0.4496, 0.3197

Trichromacy



Original Color

33.2451, 0.3201, 0.1725



Protanomaly

29.6346, 0.2419, 0.1758



Deuteranomaly

29.4236, 0.2454, 0.1835

Tritanomaly

31.7370, 0.4000, 0.2547

Monochromacy



Original Color

33.2451, 0.3201, 0.1725



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.8274, 0.3168, 0.2428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2451, 0.3201, 0.1725 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, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 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, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.2451, 0.3201, 0.1725 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, 73, 255) }
```

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

```
.border{ border-color:rgb(255, 73, 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, 73, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2451, 0.3201, 0.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 255) }
```

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

```
.background{ background-color: rgb(255, 73,  
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