

Converting Colors

Yxy(33.0911, 0.3201, 0.1720)

Have a look what the booklet for
Yxy(33.0911, 0.3201, 0.1720)
contains.

Yxy(33.1147, 0.3201, 0.1720)	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(33.1147, 0.3201, 0.1720)

Conversions

Conversions Part 1

Format	Color
Hex	FF48FF
RGB	255, 72, 255
RGB Percent	100%, 28%, 100%
CMY	0.0000, 0.7180, 0.0000
CMYK	0.00, 0.72, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 72%, 100%
XYZ	61.6280, 33.1147, 97.7846
YIQ	147.5790, 50.3250, 95.7090

Conversions

Conversions Part 2

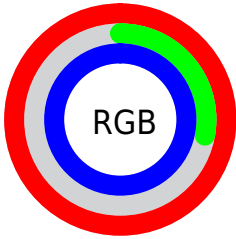
Format	Color
R _Y B	255, 72, 255
Decimal	16730367
CIE _{Lab}	64.25, 86.84, -54.59
CIE _{LCh}	64, 102.575, 327.845
Y _{xy}	33.1147, 0.3201, 0.1720
Android (android.graphics.Color)	4294920447 (0xFFFF48FF)
YUV	147.5790, 52.9586, 94.2082
Hunter-Lab	57.5454, 90.4595, -60.4674

Details

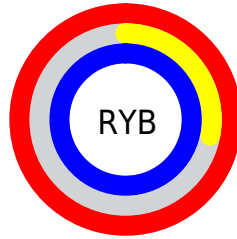
The Yxy color **33.1147, 0.3201, 0.1720** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.3607, 0.3019, 0.5594**, and the grayscale version is **29.1659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **30.4658, 0.3206, 0.1620**, and if you desaturate by 10%, it is **37.1045, 0.3194, 0.1863**.

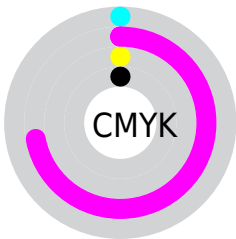
Distribution



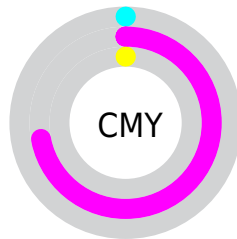
- Red (100%)
- Green (28%)
- Blue (100%)



- Red (100%)
- Yellow (28%)
- Blue (100%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1147, 0.3201, 0.1720 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 33.1147, 0.3201, 0.1720 by changing the saturation by 10% instead.


 33.1147, 0.3201,
0.1720


 33.1147, 0.3201,
0.1720


316.1663, 0.3207,
0.2412


 22.2143, 0.3189,
0.1575


 64.5546, 0.3211,
0.1950


 14.0145, 0.3170,
0.1404


 85.8628, 0.3213,
0.2043

 8.1307, 0.3137,
0.1201


 111.4092, 0.3213,
0.2124

 4.1787, 0.3082,
0.0960

 141.5781, 0.3213,
0.2195

 1.7740, 0.2984,
0.0679

176.7538, 0.3211,
0.2259

 0.4709, 0.2818,
0.0331

217.3208, 0.3210,

 0.0000, 0.2498,

0.2315

0.0000

263.6635, 0.3208,
0.2366

■ 0.0000, 0.1696,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1147, 0.3201,
0.1720

■ 33.1147, 0.3201,
0.1720

■ 30.4658, 0.3206,
0.1620

■ 37.1045, 0.3194,
0.1863


■ 29.0129, 0.3208,
0.1563

■ 42.6225, 0.3186,
0.2046


■ 28.4800, 0.3209,
0.1542

■ 49.7872, 0.3175,
0.2260

■ 58.7156, 0.3164,
0.2497

 69.5137, 0.3153,
0.2746

 82.2793, 0.3141,
0.2998

 97.1035, 0.3129,
0.3246

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.



33.1147, 0.1910, 0.1362



33.1147, 0.3201, 0.1720



33.1147, 0.4868, 0.2351

Triad

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



33.1147, 0.3201, 0.1720



33.1147, 0.4913, 0.5000



33.1147, 0.0945, 0.2476

Complementary

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



33.1147, 0.3201, 0.1720



73.3607, 0.3019, 0.5594

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.



33.1147, 0.1420, 0.4289



33.1147, 0.3201, 0.1720



33.1147, 0.3678, 0.6052

Square

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



33.1147, 0.3201, 0.1720



33.1147, 0.5828, 0.3950



33.1147, 0.2433, 0.6094



33.1147, 0.0907, 0.1597

Rectangle

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



33.1147, 0.3201, 0.1720



33.1147, 0.5715, 0.2852



33.1147, 0.2433, 0.6094



33.1147, 0.1045, 0.2973

Sweetspot

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



33.1025, 0.3201, 0.1720



69.2808, 0.3153, 0.2741



13.2166, 0.1742, 0.1000



14.1637, 0.3156, 0.2673



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.



33.1025, 0.3201, 0.1720



29.7237, 0.3207, 0.1591



28.5431, 0.4310, 0.2451



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.



33.1025, 0.3201, 0.1720



29.7237, 0.3207, 0.1591



75.5547, 0.2688, 0.4505



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 33.1147, 0.3201, 0.1720 looks on a white background.

Color Contrast Check

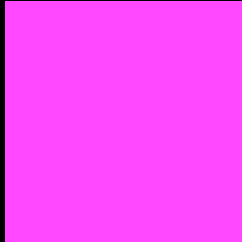
Large Text (above 18pt) WCAG AA × Fail

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 33.1147, 0.3201, 0.1720 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 33.1147, 0.3201, 0.1720

Background



This preview shows how black text looks on a background with the Yxy color 33.1147, 0.3201, 0.1720.



This preview shows how white text looks on a background with the Yxy color 33.1147, 0.3201, 0.1720.

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

33.1147, 0.3201, 0.1720

Protanopia

33.5132, 0.2146, 0.1984

Deuteranopia

33.5027, 0.2194, 0.2141



Tritanopia

32.7285, 0.4509, 0.3208

Trichromacy



Original Color

33.1147, 0.3201, 0.1720



Protanomaly

29.6346, 0.2419, 0.1758



Deuteranomaly

29.1692, 0.2452, 0.1824

Tritanomaly

31.6984, 0.4013, 0.2557

Monochromacy



Original Color

33.1147, 0.3201, 0.1720



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.5856, 0.3168, 0.2416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1147, 0.3201, 0.1720 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, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 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, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.1147, 0.3201, 0.1720 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, 72, 255) }
```

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

```
.border{ border-color:rgb(255, 72, 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, 72, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1147, 0.3201, 0.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 255) }
```

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

```
.background{ background-color: rgb(255, 72,  
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