

Converting Colors

$Y_{xy}(32.8825, 0.3201, 0.1712)$

Have a look what the booklet for
Yxy(32.8825, 0.3201, 0.1712)
contains.

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Color

Yxy(32.8603, 0.3201, 0.1711)

Conversions

Conversions Part 1

Format	Color
Hex	FF46FF
RGB	255, 70, 255
RGB Percent	100%, 27%, 100%
CMY	0.0001, 0.7254, 0.0000
CMYK	0.00, 0.73, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 73%, 100%
XYZ	61.4762, 32.8603, 97.7167
YIQ	146.4050, 50.8750, 96.7550

Conversions

Conversions Part 2

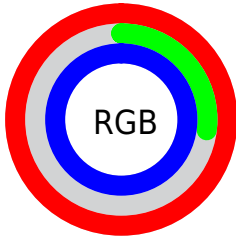
Format	Color
R _Y B	255, 70, 255
Decimal	16729855
CIE Lab	64.05, 87.37, -54.90
CIE LCh	64, 103.192, 327.857
Yxy	32.8603, 0.3201, 0.1711
Android (android.graphics.Color)	4294919935 (0xFFFF46FF)
YUV	146.4050, 53.5373, 95.2378
Hunter-Lab	57.3239, 91.1130, -60.9414

Details

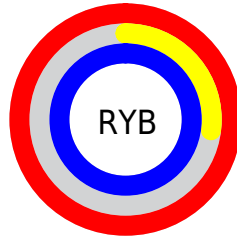
The Yxy color **32.8603, 0.3201, 0.1711** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.2665, 0.3018, 0.5613**, and the grayscale version is **28.6856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **30.3178, 0.3206, 0.1614**, and if you desaturate by 10%, it is **36.7580, 0.3195, 0.1851**.

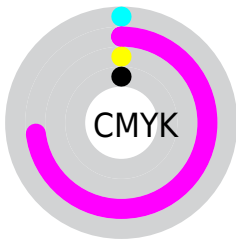
Distribution



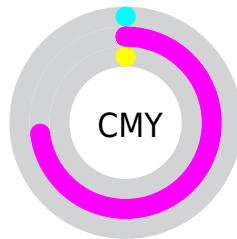
- Red (100%)
- Green (27%)
- Blue (100%)



- Red (100%)
- Yellow (27%)
- Blue (100%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8603, 0.3201, 0.1711 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 32.8603, 0.3201, 0.1711 by changing the saturation by 10% instead.

 32.8603, 0.3201,
0.1711


 32.8603, 0.3201,
0.1711


315.0198, 0.3207,
0.2407


 22.0194, 0.3189,
0.1565


 64.1574, 0.3211,
0.1943

 13.8712, 0.3169,
0.1393


 85.3824, 0.3213,
0.2036

 8.0311, 0.3136,
0.1190

 110.8375, 0.3214,
0.2117

 4.1149, 0.3079,
0.0948

 140.9073, 0.3213,
0.2189

 1.7380, 0.2980,
0.0668

175.9760, 0.3212,
0.2253

 0.4481, 0.2813,
0.0316

216.4280, 0.3211,

 0.0000, 0.2486,

0.2310

0.0000

262.6478, 0.3209,
0.2361

■ 0.0000, 0.1673,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.8603, 0.3201,
0.1711

■ 32.8603, 0.3201,
0.1711

■ 30.3178, 0.3206,
0.1614

■ 36.7580, 0.3195,
0.1851


■ 28.9429, 0.3208,
0.1560

■ 42.1604, 0.3186,
0.2031

■ 28.4757, 0.3209,
0.1541

■ 49.2005, 0.3176,
0.2244

■ 57.9960, 0.3165,
0.2479

 68.6538, 0.3154,
0.2728

 81.2721, 0.3142,
0.2980

 95.9426, 0.3130,
0.3228

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.



32.8603, 0.1902, 0.1352



32.8603, 0.3201, 0.1711



32.8603, 0.4883, 0.2344

Triad

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



32.8603, 0.3201, 0.1711



32.8603, 0.4918, 0.5004



32.8603, 0.0933, 0.2467

Complementary

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



32.8603, 0.3201, 0.1711



73.2665, 0.3018, 0.5613

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.



32.8603, 0.1407, 0.4296



32.8603, 0.3201, 0.1711



32.8603, 0.3673, 0.6070

Square

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



32.8603, 0.3201, 0.1711



32.8603, 0.5841, 0.3946



32.8603, 0.2423, 0.6121



32.8603, 0.0896, 0.1585

Rectangle

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



32.8603, 0.3201, 0.1711



32.8603, 0.5735, 0.2846



32.8603, 0.2423, 0.6121



32.8603, 0.1032, 0.2967

Sweetspot

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



32.8613, 0.3201, 0.1711



69.2799, 0.3153, 0.2741



13.3035, 0.1737, 0.1006



14.1635, 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.



32.8613, 0.3201, 0.1711



29.5724, 0.3207, 0.1585



28.3829, 0.4284, 0.2418



18.3003, 0.3138, 0.3056



14.8792, 0.3209, 0.1541



1.4488, 0.3209, 0.1541

Inverse Universe

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



26.0872, 0.5630, 0.3297



22.4668, 0.6177, 0.3299



75.3416, 0.2700, 0.4563



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 32.8603, 0.3201, 0.1711 looks on a white background.

Color Contrast Check

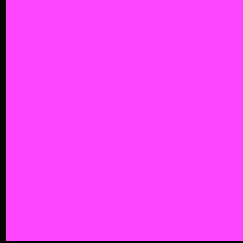
Large Text (above 18pt) WCAG AA × Fail

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 32.8603, 0.3201, 0.1711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

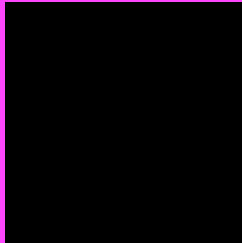
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8603, 0.3201, 0.1711

Background



This preview shows how black text looks on a background with the Yxy color 32.8603, 0.3201, 0.1711.



This preview shows how white text looks on a background with the Yxy color 32.8603, 0.3201, 0.1711.

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

32.8603, 0.3201, 0.1711

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

33.1047, 0.2186, 0.2125



Tritanopia

32.4713, 0.4527, 0.3208

Trichromacy



Original Color

32.8603, 0.3201, 0.1711



Protanomaly

29.0316, 0.2408, 0.1734



Deuteranomaly

28.8121, 0.2443, 0.1810

Tritanomaly

31.3147, 0.4018, 0.2539

Monochromacy



Original Color

32.8603, 0.3201, 0.1711



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

26.9411, 0.3169, 0.2399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8603, 0.3201, 0.1711 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, 70, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 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, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.8603, 0.3201, 0.1711 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, 70, 255) }
```

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

```
.border{ border-color:rgb(255, 70, 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, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8603, 0.3201, 0.1711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 255) }
```

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

```
.background{ background-color: rgb(255, 70,  
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](#).

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