

Converting Colors

$Y_{xy}(32.4098, 0.3172, 0.1701)$

Have a look what the booklet for
Yxy(32.4098, 0.3172, 0.1701)
contains.

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Color

Yxy(32.4219, 0.3172, 0.1701)

Conversions

Conversions Part 1

Format	Color
Hex	FC47FF
RGB	252, 71, 255
RGB Percent	99%, 28%, 100%
CMY	0.0117, 0.7217, 0.0000
CMYK	0.01, 0.72, 0.00, 0.00
HSL	299°, 100%, 64%
HSV	299°, 72%, 100%
XYZ	60.4599, 32.4219, 97.7232
YIQ	146.0950, 48.8120, 95.5960

Conversions

Conversions Part 2

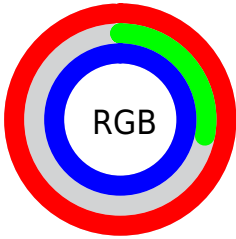
Format	Color
R_{YB}	252, 71, 255
Decimal	16533503
CIE _{Lab}	63.69, 86.52, -55.52
CIE _{LCh}	64, 102.803, 327.310
Yxy	32.4219, 0.3172, 0.1701
Android (android.graphics.Color)	4294723583 (0xFFFC47FF)
YUV	146.0950, 53.6902, 92.8787
Hunter-Lab	56.9402, 89.8882, -61.8978

Details

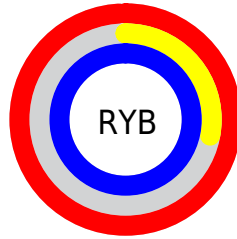
The Yxy color **32.4219, 0.3172, 0.1701** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.4276, 0.3028, 0.5598**, and the grayscale version is **28.5373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **15.1076, 0.3133, 0.1500** is the 20% darker color. If you saturate the color by 10%, you get **29.7539, 0.3172, 0.1600**, and if you desaturate by 10%, it is **36.4454, 0.3171, 0.1847**.

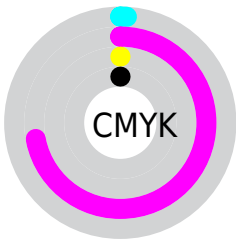
Distribution



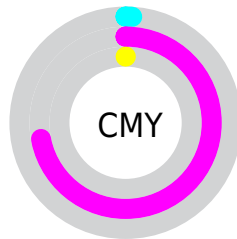
- Red (99%)
- Green (28%)
- Blue (100%)



- Red (99%)
- Yellow (28%)
- Blue (100%)



- Cyan (1%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4219, 0.3172, 0.1701 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 32.4219, 0.3172, 0.1701 by changing the saturation by 10% instead.


 32.4219, 0.3172,
0.1701


 32.4219, 0.3172,
0.1701


313.0367, 0.3193,
0.2402


 21.6840, 0.3157,
0.1554


 63.4719, 0.3188,
0.1934


 13.6249, 0.3132,
0.1381


 84.5528, 0.3192,
0.2028

 7.8602, 0.3093,
0.1176

 109.8501, 0.3194,
0.2110

 4.0056, 0.3028,
0.0933

 139.7482, 0.3195,
0.2183

 1.6767, 0.2917,
0.0652

174.6315, 0.3195,
0.2247

 0.4085, 0.2737,
0.0292

214.8844, 0.3194,

 0.0000, 0.2384,

0.2304

0.0000

260.8913, 0.3194,
0.2356

■ 0.0000, 0.1489,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4219, 0.3172,
0.1701

■ 32.4219, 0.3172,
0.1701

■ 29.7539, 0.3172,
0.1600

■ 36.4454, 0.3171,
0.1847


■ 28.2642, 0.3171,
0.1541


■ 41.9817, 0.3167,
0.2031


■ 27.7055, 0.3168,
0.1519

■ 49.1604, 0.3161,
0.2247

■ 58.0987, 0.3154,
0.2485

 68.9031, 0.3146,
0.2735

 81.6717, 0.3138,
0.2989

 96.4957, 0.3129,
0.3237

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.



32.4219, 0.1884, 0.1347



32.4219, 0.3172, 0.1701



32.4219, 0.4855, 0.2331

Triad

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



32.4219, 0.3172, 0.1701



32.4219, 0.4940, 0.4984



32.4219, 0.0936, 0.2491

Complementary

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



32.4219, 0.3172, 0.1701



73.4276, 0.3028, 0.5598

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.



32.4219, 0.1420, 0.4337



32.4219, 0.3172, 0.1701



32.4219, 0.3696, 0.6056

Square

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



32.4219, 0.3172, 0.1701



32.4219, 0.5854, 0.3929



32.4219, 0.2444, 0.6141



32.4219, 0.0893, 0.1594

Rectangle

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



32.4219, 0.3172, 0.1701



32.4219, 0.5720, 0.2832



32.4219, 0.2444, 0.6141



32.4219, 0.1038, 0.2997

Sweetspot

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



32.4200, 0.3173, 0.1701



69.1090, 0.3146, 0.2740



13.4584, 0.1743, 0.1015



14.1224, 0.3148, 0.2671



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.



32.4200, 0.3173, 0.1701



28.9013, 0.3172, 0.1566



28.5155, 0.4275, 0.2420



18.2845, 0.3136, 0.3056



14.4835, 0.3169, 0.1519



1.4148, 0.3174, 0.1522

Inverse Universe

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



26.2542, 0.5580, 0.3275



22.4880, 0.6153, 0.3285



75.3928, 0.2700, 0.4556



17.9918, 0.3292, 0.3287



11.1156, 0.6384, 0.3291



1.0839, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 32.4219, 0.3172, 0.1701 looks on a white background.

Color Contrast Check

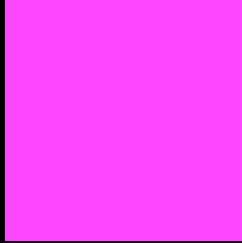
Large Text (above 18pt) WCAG AA × Fail

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 32.4219, 0.3172, 0.1701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

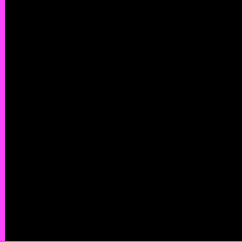
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4219, 0.3172, 0.1701

Background



This preview shows how black text looks on a background with the Yxy color 32.4219, 0.3172, 0.1701.



This preview shows how white text looks on a background with the Yxy color 32.4219, 0.3172, 0.1701.

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

32.4219, 0.3172, 0.1701

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.6478, 0.2173, 0.2109



Tritanopia

32.2078, 0.4479, 0.3207

Trichromacy



Original Color

32.4219, 0.3172, 0.1701



Protanomaly

28.8204, 0.2393, 0.1728



Deuteranomaly

28.6043, 0.2427, 0.1804

Tritanomaly

30.9701, 0.3984, 0.2538

Monochromacy



Original Color

32.4219, 0.3172, 0.1701



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0531, 0.3158, 0.2408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4219, 0.3172, 0.1701 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(252, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 71, 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(252, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.4219, 0.3172, 0.1701 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(252, 71, 255) }
```

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

```
.border{ border-color:rgb(252, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4219, 0.3172, 0.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 71, 255) }
```

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

```
.background{ background-color: rgb(252, 71,  
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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