

Converting Colors

$Yxy(27.6838, 0.3167, 0.1518)$

Have a look what the booklet for
Yxy(27.6838, 0.3167, 0.1518)
contains.

Yxy(27.7292, 0.3169, 0.1520)	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(27.7292, 0.3169, 0.1520)

Conversions

Conversions Part 1

Format	Color
Hex	FB01FF
RGB	251, 1, 255
RGB Percent	98%, 0%, 100%
CMY	0.0159, 0.9972, 0.0001
CMYK	0.02, 1.00, 0.00, 0.00
HSL	299°, 100%, 50%
HSV	299°, 100%, 100%
XYZ	57.8117, 27.7292, 96.8880
YIQ	104.7060, 67.4660, 131.9940

Conversions

Conversions Part 2

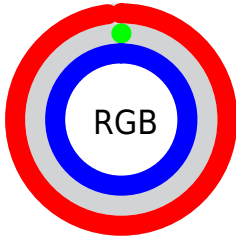
Format	Color
R_{YB}	251, 1, 255
Decimal	16450047
CIE _{Lab}	59.64, 97.59, -61.95
CIE _{LCh}	60, 115.592, 327.593
Yxy	27.7292, 0.3169, 0.1520
Android (android.graphics.Color)	4294640127 (0xFFFB01FF)
YUV	104.7060, 74.0949, 128.2998
Hunter-Lab	52.6585, 103.8158, -72.2285

Details

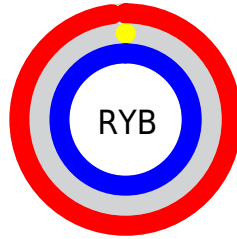
The Yxy color **27.7292, 0.3169, 0.1520** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5336, 0.3002, 0.5997**, and the grayscale version is **13.7715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **14.8500, 0.3107, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **27.7130, 0.3169, 0.1519**, and if you desaturate by 10%, it is **28.5383, 0.3172, 0.1552**.

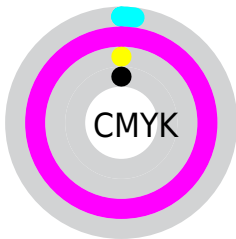
Distribution



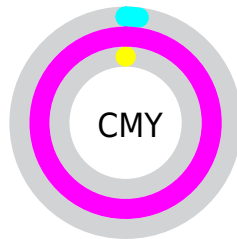
- Red (98%)
- Green (0%)
- Blue (100%)



- Red (98%)
- Yellow (0%)
- Blue (100%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7292, 0.3169, 0.1520 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 27.7292, 0.3169, 0.1520 by changing the saturation by 10% instead.


 27.7292, 0.3169,
0.1520


 27.7292, 0.3169,
0.1520


291.1707, 0.3203,
0.2295


 18.1216, 0.3147,
0.1361


 56.0518, 0.3192,
0.1775


 11.0373, 0.3114,
0.1176


 75.5356, 0.3198,
0.1879


 6.0920, 0.3061,
0.0962


 99.0803, 0.3201,
0.1970

 2.9011, 0.2974,
0.0716

 127.0703, 0.3203,
0.2050

 1.0803, 0.2830,
0.0446

 159.8899, 0.3204,
0.2121

 0.0000, 0.2631,
0.0000

197.9236, 0.3204,

 0.0000, 0.2156,

0.2185

0.0000

241.5557, 0.3204,
0.2243

■ 0.0000, 0.0987,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7292, 0.3169,
0.1520

■ 27.7292, 0.3169,
0.1520

■ 27.7130, 0.3169,
0.1519

■ 28.5383, 0.3172,
0.1552

■ 30.2952, 0.3173,
0.1621

■ 33.2770, 0.3173,
0.1733

■ 37.6573, 0.3170,
0.1889

■ 43.5818, 0.3166,
0.2082

■ 51.1782, 0.3160,
0.2304

■ 60.5607, 0.3153,
0.2546

■ 71.8336, 0.3144,
0.2798

■ 85.0930, 0.3136,
0.3050

Harmonies

Analogous

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



27.7292, 0.1724, 0.1150



27.7292, 0.3169, 0.1520



27.7292, 0.5159, 0.2186

Triad

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



27.7292, 0.3169, 0.1520



27.7292, 0.4984, 0.5016



27.7292, 0.0703, 0.2292

Complementary

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



27.7292, 0.3169, 0.1520



71.5336, 0.3002, 0.5997

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.



27.7292, 0.1149, 0.4489



27.7292, 0.3169, 0.1520



27.7292, 0.3567, 0.6427

Square

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



27.7292, 0.3169, 0.1520



27.7292, 0.6125, 0.3824



27.7292, 0.2203, 0.6736



27.7292, 0.0690, 0.1365

Rectangle

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



27.7292, 0.3169, 0.1520



27.7292, 0.6146, 0.2700



27.7292, 0.2203, 0.6736



27.7292, 0.0789, 0.2861

Sweetspot

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



27.7305, 0.3169, 0.1520



60.2905, 0.3153, 0.2539



7.3301, 0.1503, 0.0608



12.0143, 0.3156, 0.2435



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.



27.7305, 0.3169, 0.1520



27.7202, 0.3169, 0.1519



22.9379, 0.4923, 0.2487



18.2848, 0.3136, 0.3056



14.4911, 0.3170, 0.1520



1.4155, 0.3174, 0.1522

Inverse Universe

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



21.2802, 0.6386, 0.3294



21.2689, 0.6390, 0.3294



72.9511, 0.2748, 0.5092



17.9918, 0.3292, 0.3287



11.1155, 0.6385, 0.3291



1.0838, 0.6346, 0.3270

Previews

White Background



This preview shows how the Yxy color 27.7292, 0.3169, 0.1520 looks on a white background.

Color Contrast Check

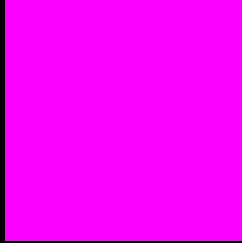
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7292, 0.3169, 0.1520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

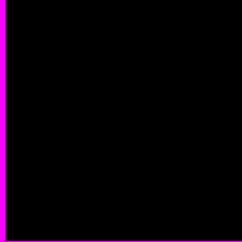
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7292, 0.3169, 0.1520

Background



This preview shows how black text looks on a background with the Yxy color 27.7292, 0.3169, 0.1520.



This preview shows how white text looks on a background with the Yxy color 27.7292, 0.3169, 0.1520.

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

27.7509, 0.3169, 0.1521

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.3359, 0.2037, 0.1967



Tritanopia

27.8380, 0.4800, 0.3222

Trichromacy



Original Color

27.7509, 0.3169, 0.1521



Protanomaly

20.8282, 0.2238, 0.1374



Deuteranomaly

20.2609, 0.2256, 0.1441

Tritanomaly

24.9408, 0.4215, 0.2360

Monochromacy



Original Color

27.7509, 0.3169, 0.1521



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.8215, 0.3162, 0.1946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7292, 0.3169, 0.1520 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(251, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 1, 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(251, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 1, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7292, 0.3169, 0.1520 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(251, 1, 255) }
```

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

```
.border{ border-color:rgb(251, 1, 255) }
```

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

Here you see how a box with a 4 pixel rgb(251, 1, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 1,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7292, 0.3169, 0.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 1, 255) }
```

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

```
.background{ background-color: rgb(251, 1,  
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