

Converting Colors

$Y_{xy}(27.6622, 0.3237, 0.1557)$

Have a look what the booklet for
Yxy(27.6622, 0.3237, 0.1557)
contains.

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Color

Yxy(27.5976, 0.3229, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	FC01FA
RGB	252, 1, 250
RGB Percent	99%, 0%, 98%
CMY	0.0120, 0.9975, 0.0197
CMYK	0.00, 1.00, 0.01, 0.01
HSL	300°, 99%, 50%
HSV	300°, 100%, 99%
XYZ	57.3810, 27.5976, 92.7265
YIQ	104.4350, 69.6670, 130.6510

Conversions

Conversions Part 2

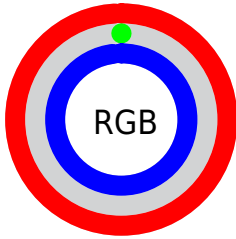
Format	Color
RYB	252, 1, 250
Decimal	16515578
CIELab	59.52, 97.05, -59.36
CIELCh	60, 113.766, 328.548
Yxy	27.5976, 0.3229, 0.1553
Android (android.graphics.Color)	4294705658 (0xFFFC01FA)
YUV	104.4350, 71.7635, 129.4145
Hunter-Lab	52.5334, 103.0377, -67.8791

Details

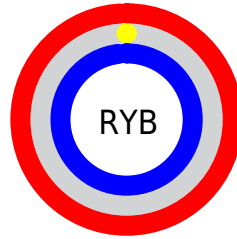
The Yxy color **27.5976, 0.3229, 0.1553** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **69.5933, 0.2999, 0.5995**, and the grayscale version is **13.6902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **14.7974, 0.3170, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **27.5848, 0.3229, 0.1552**, and if you desaturate by 10%, it is **28.3287, 0.3225, 0.1582**.

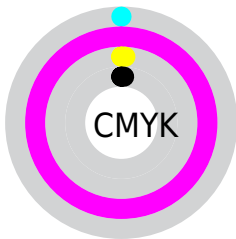
Distribution



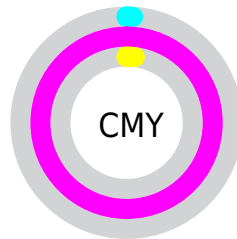
- Red (99%)
- Green (0%)
- Blue (98%)



- Red (99%)
- Yellow (0%)
- Blue (98%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5976, 0.3229, 0.1553 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 27.5976, 0.3229, 0.1553 by changing the saturation by 10% instead.


 27.5976, 0.3229,
0.1553


 27.5976, 0.3229,
0.1553

290.5391, 0.3231,
0.2319


 18.0225, 0.3215,
0.1395


 55.8413, 0.3240,
0.1807


 10.9662, 0.3192,
0.1209


 75.2788, 0.3242,
0.1909

 6.0441, 0.3151,
0.0993


 98.7726, 0.3241,
0.1999

 2.8719, 0.3080,
0.0743

 126.7070, 0.3240,
0.2078

 1.0652, 0.2955,
0.0466

 159.4664, 0.3238,
0.2148

 0.0000, 0.2782,
0.0000

197.4353, 0.3236,

 0.0000, 0.2318,

0.2211

0.0000

240.9981, 0.3234,
0.2268

■ 0.0000, 0.1027,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.5976, 0.3229,
0.1553

■ 27.5976, 0.3229,
0.1553

■ 27.5848, 0.3229,
0.1552

■ 28.3287, 0.3225,
0.1582

■ 29.9796, 0.3220,
0.1647

■ 32.8212, 0.3213,
0.1755

■ 37.0222, 0.3203,
0.1907

■ 42.7242, 0.3192,
0.2096

■ 50.0511, 0.3180,
0.2315

■ 59.1139, 0.3166,
0.2553

■ 70.0138, 0.3153,
0.2802

■ 82.8443, 0.3140,
0.3052

Harmonies

Analogous

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



27.5976, 0.1773, 0.1173



27.5976, 0.3229, 0.1553



27.5976, 0.5192, 0.2223

Triad

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



27.5976, 0.3229, 0.1553



27.5976, 0.4939, 0.5061



27.5976, 0.0716, 0.2264

Complementary

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



27.5976, 0.3229, 0.1553



69.5933, 0.2999, 0.5995

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.



27.5976, 0.1148, 0.4386



27.5976, 0.3229, 0.1553



27.5976, 0.3530, 0.6426

Square

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



27.5976, 0.3229, 0.1553



27.5976, 0.6077, 0.3868



27.5976, 0.2185, 0.6649



27.5976, 0.0711, 0.1368

Rectangle

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



27.5976, 0.3229, 0.1553



27.5976, 0.6140, 0.2738



27.5976, 0.2185, 0.6649



27.5976, 0.0799, 0.2812

Sweetspot

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



27.5989, 0.3229, 0.1553



60.4817, 0.3167, 0.2546



7.0424, 0.1501, 0.0601



12.0609, 0.3172, 0.2444



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.



27.5989, 0.3229, 0.1553



28.3524, 0.3229, 0.1553



22.2120, 0.4994, 0.2526



17.5221, 0.3139, 0.3058



14.3780, 0.3229, 0.1552



1.3324, 0.3226, 0.1551

Inverse Universe

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



27.5989, 0.3229, 0.1553



28.3524, 0.3229, 0.1553



71.1014, 0.2732, 0.5035



17.5221, 0.3139, 0.3058



14.3780, 0.3229, 0.1552



1.3324, 0.3226, 0.1551

Previews

White Background



This preview shows how the Yxy color 27.5976, 0.3229, 0.1553 looks on a white background.

Color Contrast Check

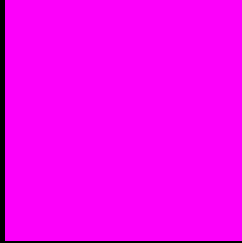
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5976, 0.3229, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

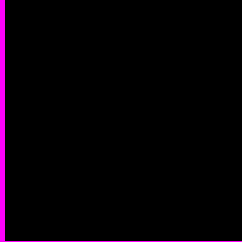
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5976, 0.3229, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 27.5976, 0.3229, 0.1553.



This preview shows how white text looks on a background with the Yxy color 27.5976, 0.3229, 0.1553.

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

27.6193, 0.3229, 0.1554

Protanopia

28.3445, 0.1995, 0.1790

Deuteranopia

28.3237, 0.2082, 0.2023



Tritanopia

27.5882, 0.4849, 0.3223

Trichromacy



Original Color

27.6193, 0.3229, 0.1554

Protanomaly

20.7001, 0.2248, 0.1385

Deuteranomaly

20.4159, 0.2326, 0.1491

Tritanomaly

24.9009, 0.4274, 0.2388

Monochromacy



Original Color

27.6193, 0.3229, 0.1554

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5999, 0.3204, 0.1968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5976, 0.3229, 0.1553 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, 1, 250)` looks like.

```
.text, #text, p{  
    color:rgb(252, 1, 250)  
}
```

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, 1, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 1, 250) }
```

Border

The CSS property to change the border of an element to Yxy 27.5976, 0.3229, 0.1553 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, 1, 250) }
```

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

```
.border{ border-color:rgb(252, 1, 250) }
```

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

Here you see how a box with a 4 pixel rgb(252, 1, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 1, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 1, 250);  
box-shadow:4px 4px 4px 4px rgb(252, 1,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5976, 0.3229, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 1, 250) }
```

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

```
.background{ background-color: rgb(252, 1,  
250) }
```

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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