

Converting Colors

Yxy(27.1576, 0.3441, 0.1669)

Have a look what the booklet for
Yxy(27.1576, 0.3441, 0.1669)
contains.

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Color

Yxy(27.1432, 0.3444, 0.1671)

Conversions

Conversions Part 1

Format	Color
Hex	FF00E9
RGB	255, 0, 233
RGB Percent	100%, 0%, 91%
CMY	0.0000, 0.9994, 0.0864
CMYK	0.00, 1.00, 0.09, 0.00
HSL	305°, 100%, 50%
HSV	305°, 100%, 100%
XYZ	55.9433, 27.1432, 79.3504
YIQ	102.8070, 77.1870, 126.5230

Conversions

Conversions Part 2

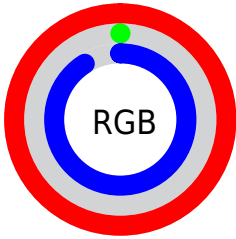
Format	Color
RYB	255, 0, 233
Decimal	16711913
CIELab	59.11, 95.29, -50.49
CIELCh	59, 107.838, 332.084
Yxy	27.1432, 0.3444, 0.1671
Android (android.graphics.Color)	4294901993 (0xFFFF00E9)
YUV	102.8070, 64.1851, 133.4733
Hunter-Lab	52.0991, 100.4971, -53.8332

Details

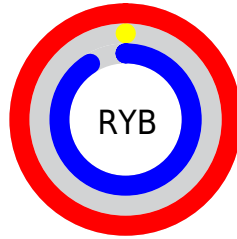
The Yxy color **27.1432, 0.3444, 0.1671** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5797, 0.2988, 0.5956**, and the grayscale version is **13.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.5118, 0.3430, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **27.1401, 0.3444, 0.1671**, and if you desaturate by 10%, it is **27.9915, 0.3416, 0.1689**.

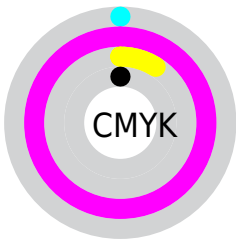
Distribution



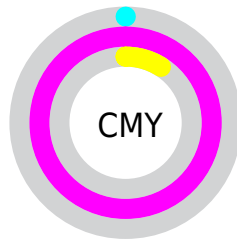
- Red (100%)
- Green (0%)
- Blue (91%)



- Red (100%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1432, 0.3444, 0.1671 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 27.1432, 0.3444, 0.1671 by changing the saturation by 10% instead.


 27.1432, 0.3444,
0.1671


 27.1432, 0.3444,
0.1671


288.3498, 0.3329,
0.2402

 17.6808, 0.3460,
0.1515


 55.1136, 0.3412,
0.1917

 10.7211, 0.3475,
0.1329


 74.3903, 0.3397,
0.2016


 5.8796, 0.3483,
0.1108


 97.7073, 0.3383,
0.2101

 2.7720, 0.3477,
0.0845

 125.4490, 0.3370,
0.2176

 1.0139, 0.3437,
0.0544

 157.9996, 0.3359,
0.2243

 0.0000, 0.3397,
0.0000

195.7437, 0.3348,

 0.0000, 0.3020,

0.2302

0.0000

239.0657, 0.3338,
0.2355

■ 0.0000, 0.1121,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.1432, 0.3444,
0.1671

■ 27.1432, 0.3444,
0.1671

■ 27.1401, 0.3444,
0.1671

■ 27.9915, 0.3416,
0.1689

■ 29.7777, 0.3385,
0.1745

■ 32.7863, 0.3352,
0.1846

■ 37.1917, 0.3317,
0.1990

43.1404, 0.3281,
0.2170

50.7603, 0.3246,
0.2377

60.1658, 0.3212,
0.2601

71.4615, 0.3181,
0.2834

84.7438, 0.3153,
0.3066

Harmonies

Analogous

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



27.1432, 0.1949, 0.1258



27.1432, 0.3444, 0.1671



27.1432, 0.5304, 0.2357

Triad

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



27.1432, 0.3444, 0.1671



27.1432, 0.4782, 0.5218



27.1432, 0.0761, 0.2165

Complementary

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



27.1432, 0.3444, 0.1671



71.5797, 0.2988, 0.5956

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.



27.1432, 0.1141, 0.4044



27.1432, 0.3444, 0.1671



27.1432, 0.3403, 0.6422

Square

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



27.1432, 0.3444, 0.1671



27.1432, 0.5907, 0.4024



27.1432, 0.2112, 0.6324



27.1432, 0.0787, 0.1376

Rectangle

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



27.1432, 0.3444, 0.1671



27.1432, 0.6116, 0.2871



27.1432, 0.2112, 0.6324



27.1432, 0.0831, 0.2646

Sweetspot

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



27.1443, 0.3444, 0.1671



60.1013, 0.3212, 0.2600



7.3872, 0.1520, 0.0611



11.9683, 0.3226, 0.2504



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.



27.1443, 0.3444, 0.1671



27.1401, 0.3444, 0.1671



22.3112, 0.5356, 0.2724



18.2717, 0.3151, 0.3076



14.1925, 0.3440, 0.1669



1.3895, 0.3410, 0.1652

Inverse Universe

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



27.1443, 0.3444, 0.1671



27.1401, 0.3444, 0.1671



73.6851, 0.2652, 0.4746



18.2717, 0.3151, 0.3076



14.1925, 0.3440, 0.1669



1.3895, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 27.1432, 0.3444, 0.1671 looks on a white background.

Color Contrast Check

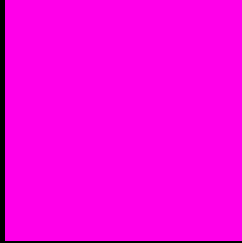
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1432, 0.3444, 0.1671 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 27.1432, 0.3444, 0.1671

Background



This preview shows how black text looks on a background with the Yxy color 27.1432, 0.3444, 0.1671.



This preview shows how white text looks on a background with the Yxy color 27.1432, 0.3444, 0.1671.

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

27.1432, 0.3444, 0.1671

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.8236, 0.2244, 0.2186



Tritanopia

27.3946, 0.5051, 0.3248

Trichromacy



Original Color

27.1432, 0.3444, 0.1671



Protanomaly

20.1561, 0.2279, 0.1411



Deuteranomaly

20.3376, 0.2539, 0.1630



Tritanomaly

24.9774, 0.4523, 0.2505

Monochromacy



Original Color

27.1432, 0.3444, 0.1671



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.3675, 0.3305, 0.2050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1432, 0.3444, 0.1671 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, 0, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 233)  
}
```

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, 0, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 233) }
```

Border

The CSS property to change the border of an element to Yxy 27.1432, 0.3444, 0.1671 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, 0, 233) }
```

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

```
.border{ border-color:rgb(255, 0, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1432, 0.3444, 0.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 233) }
```

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

```
.background{ background-color: rgb(255, 0,  
233) }
```

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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