

Converting Colors

$Y_{xy}(27.1919, 0.3099, 0.1512)$

Have a look what the booklet for
Yxy(27.1919, 0.3099, 0.1512)
contains.

Yxy(27.1919, 0.3099, 0.1512)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1919, 0.3099, 0.1512)

Conversions

Conversions Part 1

Format	Color
Hex	F41AFF
RGB	244, 26, 255
RGB Percent	96%, 10%, 100%
CMY	0.0430, 0.8983, 0.0000
CMYK	0.04, 0.90, 0.00, 0.00
HSL	297°, 100%, 55%
HSV	297°, 90%, 100%
XYZ	55.7326, 27.1919, 96.9161
YIQ	117.2880, 56.4190, 117.4350

Conversions

Conversions Part 2

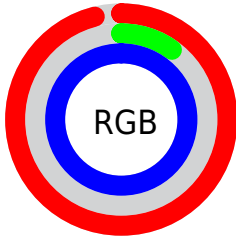
Format	Color
R _Y B	244, 26, 255
Decimal	15997695
CIE Lab	59.15, 94.57, -62.82
CIE LCh	59, 113.530, 326.407
Yxy	27.1919, 0.3099, 0.1512
Android (android.graphics.Color)	4294187775 (0xFFFF41AFF)
YUV	117.2880, 67.8920, 111.1264
Hunter-Lab	52.1459, 99.5225, -73.6918

Details

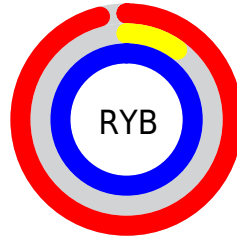
The Yxy color **27.1919, 0.3099, 0.1512** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **71.9842, 0.3018, 0.5919**, and the grayscale version is **17.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **14.0985, 0.3031, 0.1443** is the 20% darker color. If you saturate the color by 10%, you get **26.2487, 0.3087, 0.1475**, and if you desaturate by 10%, it is **29.0826, 0.3109, 0.1587**.

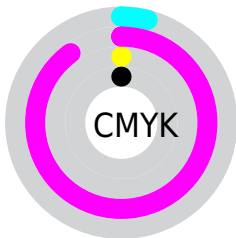
Distribution



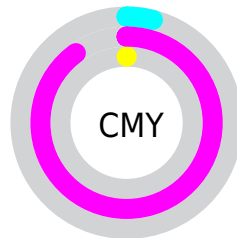
- Red (96%)
- Green (10%)
- Blue (100%)



- Red (96%)
- Yellow (10%)
- Blue (100%)



- Cyan (4%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1919, 0.3099, 0.1512 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 27.1919, 0.3099, 0.1512 by changing the saturation by 10% instead.

 27.1919, 0.3099,
0.1512


 27.1919, 0.3099,
0.1512


288.5851, 0.3168,
0.2293


 17.7174, 0.3069,
0.1352


 55.1917, 0.3134,
0.1770

 10.7473, 0.3025,
0.1165


 74.4857, 0.3145,
0.1874


 5.8972, 0.2958,
0.0949


 97.8217, 0.3152,
0.1966

 2.7827, 0.2854,
0.0701

 125.5841, 0.3158,
0.2046

 1.0193, 0.2686,
0.0431

 158.1572, 0.3162,
0.2118

 0.0000, 0.2450,
0.0000

195.9255, 0.3165,

 0.0000, 0.1944,

0.2183

0.0000

239.2733, 0.3167,
0.2240

■ 0.0000, 0.0497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.1919, 0.3099,
0.1512

■ 27.1919, 0.3099,
0.1512

■ 26.2487, 0.3087,
0.1475

■ 29.0826, 0.3109,
0.1587


■ 26.2354, 0.3087,
0.1474


■ 32.1963, 0.3118,
0.1705


■ 36.7086, 0.3125,
0.1867

■ 42.7653, 0.3130,
0.2066

 50.4944, 0.3133,
0.2293

 60.0101, 0.3134,
0.2539

 71.4170, 0.3133,
0.2793

 84.8112, 0.3130,
0.3047

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



27.1919, 0.1695, 0.1155



27.1919, 0.3099, 0.1512



27.1919, 0.5064, 0.2167

Triad

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



27.1919, 0.3099, 0.1512



27.1919, 0.5036, 0.4964



27.1919, 0.0726, 0.2365

Complementary

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



27.1919, 0.3099, 0.1512



71.9842, 0.3018, 0.5919

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.



27.1919, 0.1198, 0.4586



27.1919, 0.3099, 0.1512



27.1919, 0.3636, 0.6359

Square

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



27.1919, 0.3099, 0.1512



27.1919, 0.6135, 0.3793



27.1919, 0.2270, 0.6728



27.1919, 0.0698, 0.1402

Rectangle

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



27.1919, 0.3099, 0.1512



27.1919, 0.6077, 0.2680



27.1919, 0.2270, 0.6728



27.1919, 0.0820, 0.2948

Sweetspot

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



27.1931, 0.3099, 0.1512



63.0408, 0.3134, 0.2610



8.7864, 0.1554, 0.0713



12.7144, 0.3134, 0.2524



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.



27.1931, 0.3099, 0.1512



26.2360, 0.3087, 0.1474



24.2600, 0.4572, 0.2346



18.2534, 0.3130, 0.3055



13.7283, 0.3089, 0.1476



1.3498, 0.3104, 0.1483

Inverse Universe

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



22.1286, 0.6179, 0.3260



21.2871, 0.6367, 0.3281



73.3224, 0.2745, 0.5012



18.0012, 0.3287, 0.3279



11.1289, 0.6353, 0.3273



1.0883, 0.6239, 0.3211

Previews

White Background



This preview shows how the Yxy color 27.1919, 0.3099, 0.1512 looks on a white background.

Color Contrast Check

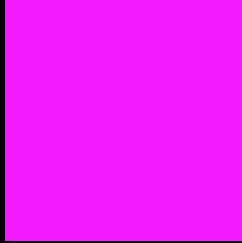
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1919, 0.3099, 0.1512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

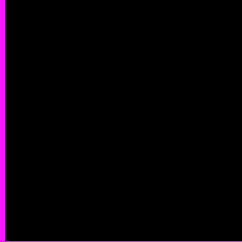
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1919, 0.3099, 0.1512

Background



This preview shows how black text looks on a background with the Yxy color 27.1919, 0.3099, 0.1512.



This preview shows how white text looks on a background with the Yxy color 27.1919, 0.3099, 0.1512.

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

27.1919, 0.3099, 0.1512

Protanopia

27.6165, 0.1977, 0.1760

Deuteranopia

27.7336, 0.2006, 0.1945



Tritanopia

26.9378, 0.4681, 0.3217

Trichromacy



Original Color

27.1919, 0.3099, 0.1512



Protanomaly

21.7950, 0.2212, 0.1428



Deuteranomaly

21.1342, 0.2215, 0.1496



Tritanomaly

24.8298, 0.4088, 0.2384

Monochromacy



Original Color

27.1919, 0.3099, 0.1512



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9172, 0.3130, 0.2097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1919, 0.3099, 0.1512 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(244, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 26, 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(244, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 26, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1919, 0.3099, 0.1512 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(244, 26, 255) }
```

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

```
.border{ border-color:rgb(244, 26, 255) }
```

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

Here you see how a box with a 4 pixel rgb(244, 26, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 26,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1919, 0.3099, 0.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 26, 255) }
```

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

```
.background{ background-color: rgb(244, 26,  
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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