

Converting Colors

Yxy(27.7312, 0.3098, 0.1534)

Have a look what the booklet for
Yxy(27.7312, 0.3098, 0.1534)
contains.

Yxy(27.7148, 0.3098, 0.1534)	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(27.7148, 0.3098, 0.1534)

Conversions

Conversions Part 1

Format	Color
Hex	F424FF
RGB	244, 36, 255
RGB Percent	96%, 14%, 100%
CMY	0.0433, 0.8580, 0.0001
CMYK	0.04, 0.86, 0.00, 0.00
HSL	297°, 100%, 57%
HSV	297°, 86%, 100%
XYZ	55.9716, 27.7148, 96.9837
YIQ	123.1580, 53.6690, 112.2050

Conversions

Conversions Part 2

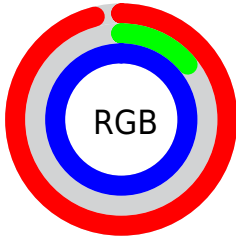
Format	Color
R _Y B	244, 36, 255
Decimal	16000255
CIE Lab	59.63, 93.10, -62.03
CIE LCh	60, 111.877, 326.325
Yxy	27.7148, 0.3098, 0.1534
Android (android.graphics.Color)	4294190335 (0xFFFF424FF)
YUV	123.1580, 64.9981, 105.9784
Hunter-Lab	52.6448, 97.6514, -72.3742

Details

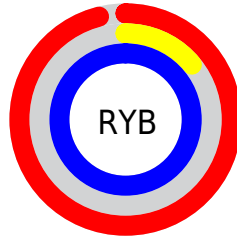
The Yxy color **27.7148, 0.3098, 0.1534** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **72.2409, 0.3025, 0.5866**, and the grayscale version is **19.6652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **14.0985, 0.3031, 0.1443** is the 20% darker color. If you saturate the color by 10%, you get **26.4457, 0.3086, 0.1484**, and if you desaturate by 10%, it is **30.0853, 0.3109, 0.1627**.

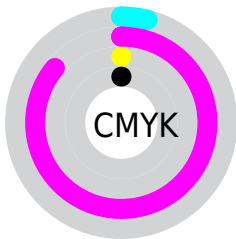
Distribution



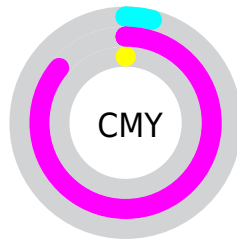
- Red (96%)
- Green (14%)
- Blue (100%)



- Red (96%)
- Yellow (14%)
- Blue (100%)



- Cyan (4%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7148, 0.3098, 0.1534 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 27.7148, 0.3098, 0.1534 by changing the saturation by 10% instead.

 27.7148, 0.3098,
0.1534


 27.7148, 0.3098,
0.1534


291.1016, 0.3166,
0.2306


 18.1108, 0.3069,
0.1375


 56.0288, 0.3133,
0.1789

 11.0296, 0.3025,
0.1190


 75.5075, 0.3143,
0.1892

 6.0867, 0.2960,
0.0974


 99.0467, 0.3150,
0.1983

 2.8979, 0.2859,
0.0726

 127.0305, 0.3156,
0.2063

 1.0787, 0.2695,
0.0453

 159.8436, 0.3160,
0.2134

 0.0000, 0.2468,
0.0000

197.8702, 0.3163,

 0.0000, 0.1966,

0.2197

0.0000

241.4947, 0.3164,
0.2254

■ 0.0000, 0.0555,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7148, 0.3098,
0.1534

■ 27.7148, 0.3098,
0.1534

■ 26.4457, 0.3086,
0.1484


■ 30.0853, 0.3109,
0.1627


■ 26.1174, 0.3081,
0.1471


■ 33.7531, 0.3117,
0.1764

■ 38.8807, 0.3124,
0.1942

■ 45.6059, 0.3129,
0.2154

 54.0507, 0.3132,
0.2390

 64.3249, 0.3132,
0.2641

 76.5296, 0.3131,
0.2896

 90.7583, 0.3129,
0.3148

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



27.7148, 0.1714, 0.1179



27.7148, 0.3098, 0.1534



27.7148, 0.5023, 0.2184

Triad

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



27.7148, 0.3098, 0.1534



27.7148, 0.5036, 0.4964



27.7148, 0.0755, 0.2392

Complementary

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



27.7148, 0.3098, 0.1534



72.2409, 0.3025, 0.5866

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.



27.7148, 0.1234, 0.4568



27.7148, 0.3098, 0.1534



27.7148, 0.3653, 0.6307

Square

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



27.7148, 0.3098, 0.1534



27.7148, 0.6101, 0.3806



27.7148, 0.2305, 0.6651



27.7148, 0.0722, 0.1431

Rectangle

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



27.7148, 0.3098, 0.1534



27.7148, 0.6021, 0.2696



27.7148, 0.2305, 0.6651



27.7148, 0.0851, 0.2969

Sweetspot

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



27.7160, 0.3098, 0.1534



64.1181, 0.3132, 0.2635



9.9460, 0.1592, 0.0793



12.9190, 0.3132, 0.2548



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.



27.7160, 0.3098, 0.1534



26.1237, 0.3081, 0.1471



25.0729, 0.4427, 0.2302



18.2510, 0.3130, 0.3055



13.6705, 0.3083, 0.1472



1.3448, 0.3098, 0.1480

Inverse Universe

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



22.7359, 0.6056, 0.3249



21.2887, 0.6365, 0.3280



73.5200, 0.2749, 0.4980



18.0019, 0.3287, 0.3278



11.1299, 0.6350, 0.3272



1.0887, 0.6231, 0.3206

Previews

White Background



This preview shows how the Yxy color 27.7148, 0.3098, 0.1534 looks on a white background.

Color Contrast Check

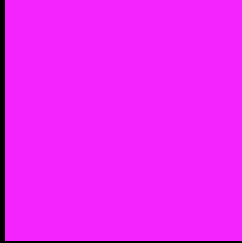
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7148, 0.3098, 0.1534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

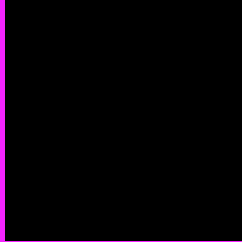
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7148, 0.3098, 0.1534

Background



This preview shows how black text looks on a background with the Yxy color 27.7148, 0.3098, 0.1534.



This preview shows how white text looks on a background with the Yxy color 27.7148, 0.3098, 0.1534.

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

27.7148, 0.3098, 0.1534

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

28.1618, 0.2021, 0.1962



Tritanopia

27.3792, 0.4640, 0.3217

Trichromacy



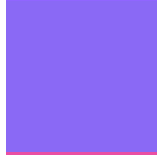
Original Color

27.7148, 0.3098, 0.1534



Protanomaly

22.6520, 0.2226, 0.1470



Deuteranomaly

22.0990, 0.2238, 0.1545



Tritanomaly

25.5599, 0.4062, 0.2414

Monochromacy



Original Color

27.7148, 0.3098, 0.1534



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.6379, 0.3129, 0.2158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7148, 0.3098, 0.1534 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, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 36, 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, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 36, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7148, 0.3098, 0.1534 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, 36, 255) }
```

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

```
.border{ border-color:rgb(244, 36, 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, 36, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 36,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7148, 0.3098, 0.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 36, 255) }
```

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

```
.background{ background-color: rgb(244, 36,  
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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