

# Converting Colors

Yxy(27.2182, 0.3133, 0.1506)

Have a look what the booklet for  
Yxy(27.2182, 0.3133, 0.1506)  
contains.

<b>Yxy(27.1461, 0.3129, 0.1504)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(27.1461, 0.3129, 0.1504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F707FF
RGB	247, 7, 255
RGB Percent	97%, 3%, 100%
CMY	0.0315, 0.9714, 0.0000
CMYK	0.03, 0.97, 0.00, 0.00
HSL	298°, 100%, 51%
HSV	298°, 97%, 100%
XYZ	56.4762, 27.1461, 96.8704
YIQ	107.0320, 63.4320, 128.0080

# Conversions

## Conversions Part 2

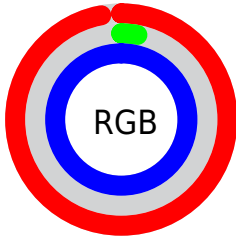
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 7, 255
Decimal	16189439
CIE <sub>Lab</sub>	59.11, 96.60, -62.86
CIE <sub>LCh</sub>	59, 115.254, 326.949
Yxy	27.1461, 0.3129, 0.1504
Android (android.graphics.Color)	4294379519 (0xFFFF707FF)
YUV	107.0320, 72.9482, 122.7519
Hunter-Lab	52.1019, 102.3077, -73.7635

# Details

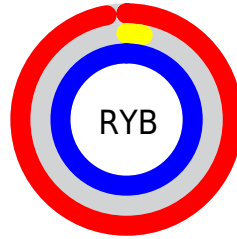
The Yxy color **27.1461, 0.3129, 0.1504** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.6401, 0.3006, 0.5981**, and the grayscale version is **14.5395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **14.3455, 0.3056, 0.1457** is the 20% darker color. If you saturate the color by 10%, you get **26.9464, 0.3127, 0.1496**, and if you desaturate by 10%, it is **28.2154, 0.3136, 0.1546**.

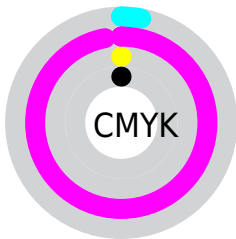
# Distribution



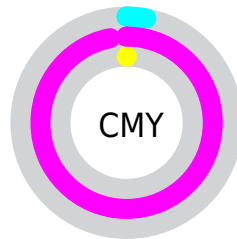
- Red (97%)
- Green (3%)
- Blue (100%)



- Red (97%)
- Yellow (3%)
- Blue (100%)



- Cyan (3%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (97%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1461, 0.3129, 0.1504 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 27.1461, 0.3129, 0.1504 by changing the saturation by 10% instead.




 27.1461, 0.3129,  
0.1504


 27.1461, 0.3129,  
0.1504


288.3638, 0.3184,  
0.2286


 17.6830, 0.3102,  
0.1344


 55.1182, 0.3160,  
0.1762

 10.7226, 0.3062,  
0.1157


 74.3960, 0.3168,  
0.1867


 5.8806, 0.3000,  
0.0941


 97.7141, 0.3174,  
0.1958

 2.7726, 0.2902,  
0.0694

 125.4570, 0.3178,  
0.2039

 1.0142, 0.2743,  
0.0426

 158.0090, 0.3181,  
0.2112

 0.0000, 0.2517,  
0.0000

195.7546, 0.3182,

 0.0000, 0.2022,

0.2176

0.0000

239.0780, 0.3183,  
0.2234

■ 0.0000, 0.0680,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 27.1461, 0.3129,  
0.1504

■ 27.1461, 0.3129,  
0.1504

■ 26.9464, 0.3127,  
0.1496

■ 28.2154, 0.3136,  
0.1546

■ 30.3456, 0.3142,  
0.1629

■ 33.7497, 0.3146,  
0.1757

■ 38.5929, 0.3147,  
0.1926

45.0158, 0.3147,  
0.2130

53.1420, 0.3145,  
0.2361

63.0830, 0.3142,  
0.2608

74.9410, 0.3137,  
0.2862

88.8103, 0.3132,  
0.3115

# Harmonies

## Analogous

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



27.1461, 0.1698, 0.1140



27.1461, 0.3129, 0.1504



27.1461, 0.5126, 0.2165

# Triad

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



27.1461, 0.3129, 0.1504



27.1461, 0.5014, 0.4986



27.1461, 0.0701, 0.2319

# Complementary

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



27.1461, 0.3129, 0.1504



71.6401, 0.3006, 0.5981

# 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.



27.1461, 0.1159, 0.4554



27.1461, 0.3129, 0.1504



27.1461, 0.3592, 0.6408

# Square

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



27.1461, 0.3129, 0.1504



27.1461, 0.6149, 0.3799



27.1461, 0.2223, 0.6772



27.1461, 0.0682, 0.1371



# Rectangle

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



27.1461, 0.3129, 0.1504



27.1461, 0.6135, 0.2680



27.1461, 0.2223, 0.6772



27.1461, 0.0791, 0.2900

# Sweetspot

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



27.1473, 0.3129, 0.1504



61.0964, 0.3143, 0.2562



7.6241, 0.1513, 0.0630



12.1525, 0.3144, 0.2456



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.



27.1473, 0.3129, 0.1504



26.9464, 0.3127, 0.1496



23.2938, 0.4795, 0.2428



18.2686, 0.3133, 0.3056



14.0935, 0.3128, 0.1497



1.3813, 0.3138, 0.1502



# Inverse Universe

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



21.4534, 0.6343, 0.3286



21.2781, 0.6378, 0.3287



72.9941, 0.2754, 0.5100



17.9966, 0.3289, 0.3283



11.1224, 0.6368, 0.3282



1.0862, 0.6290, 0.3239



# Previews

## White Background



This preview shows how the Yxy color 27.1461, 0.3129, 0.1504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

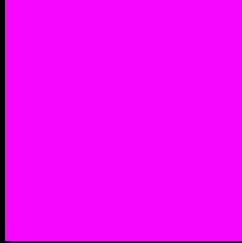
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.1461, 0.3129, 0.1504 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 27.1461, 0.3129, 0.1504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.1461, 0.3129, 0.1504.



This preview shows how white text looks on a background with the Yxy color 27.1461, 0.3129, 0.1504.

# 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

27.1461, 0.3129, 0.1504

### Protanopia

27.6165, 0.1977, 0.1760

### Deuteranopia

27.7743, 0.2009, 0.1946



## Tritanopia

26.9989, 0.4751, 0.3219

# Trichromacy



## Original Color

27.1461, 0.3129, 0.1504



## Protanomaly

20.6315, 0.2208, 0.1369



## Deuteranomaly

20.0013, 0.2218, 0.1433



## Tritanomaly

24.3025, 0.4155, 0.2350

# Monochromacy



## Original Color

27.1461, 0.3129, 0.1504



## Achromatopsia

14.7027, 0.3127, 0.3290



## Achromatomaly

14.3488, 0.3146, 0.1981

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.1461, 0.3129, 0.1504 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(247, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 7, 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(247, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 7, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 27.1461, 0.3129, 0.1504 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(247, 7, 255) }
```

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

```
.border{ border-color:rgb(247, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 7,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.1461, 0.3129, 0.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 7, 255) }
```

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

```
.background{ background-color: rgb(247, 7,  
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