

# Converting Colors

Yxy(27.1349, 0.3215, 0.1709)

Have a look what the booklet for  
Yxy(27.1349, 0.3215, 0.1709)  
contains.

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**Color**

**Yxy(27.2186, 0.3222, 0.1714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC3EEA
RGB	236, 62, 234
RGB Percent	93%, 24%, 92%
CMY	0.0745, 0.7568, 0.0823
CMYK	0.00, 0.74, 0.01, 0.07
HSL	301°, 82%, 58%
HSV	301°, 74%, 93%
XYZ	51.1659, 27.2186, 80.4171
YIQ	133.6340, 48.4920, 90.3800

# Conversions

## Conversions Part 2

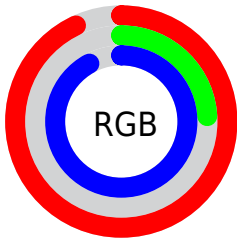
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 62, 234
Decimal	15482602
CIE Lab	59.18, 82.71, -51.17
CIE LCh	59, 97.255, 328.255
Yxy	27.2186, 0.3222, 0.1714
Android (android.graphics.Color)	4293672682 (0xFFEC3EEA)
YUV	133.6340, 49.4804, 89.7750
Hunter-Lab	52.1714, 83.7595, -54.8697

# Details

The Yxy color **27.2186, 0.3222, 0.1714** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **61.3796, 0.3012, 0.5619**, and the grayscale version is **23.5041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **12.4044, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **25.1707, 0.3230, 0.1622**, and if you desaturate by 10%, it is **30.3824, 0.3212, 0.1849**.

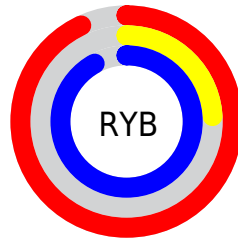
# Distribution



Red (93%)

Green (24%)

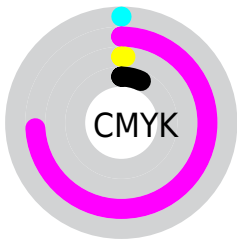
Blue (92%)



Red (93%)

Yellow (24%)

Blue (92%)

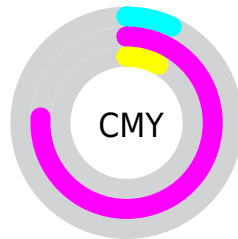


Cyan (0%)

Magenta (74%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (76%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2186, 0.3222, 0.1714 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 27.2186, 0.3222, 0.1714 by changing the saturation by 10% instead.





 27.2186, 0.3222,  
0.1714


 27.2186, 0.3222,  
0.1714

288.7140, 0.3216,  
0.2434


 17.7375, 0.3212,  
0.1558


 55.2345, 0.3229,  
0.1958


 10.7617, 0.3193,  
0.1372


 74.5380, 0.3229,  
0.2055

 5.9068, 0.3159,  
0.1149


 97.8844, 0.3228,  
0.2139

 2.7885, 0.3096,  
0.0882

 125.6581, 0.3226,  
0.2213

 1.0223, 0.2978,  
0.0573

 158.2435, 0.3224,  
0.2278

 0.0000, 0.2819,  
0.0000

196.0251, 0.3221,


 0.0000, 0.2297,


0.2335


0.0000


239.3871, 0.3219,  
0.2387


 0.0000, 0.0000,  
0.0000


 27.2186, 0.3222,  
0.1714


 27.2186, 0.3222,  
0.1714

 25.1707, 0.3230,  
0.1622

 30.3824, 0.3212,  
0.1849


 24.0789, 0.3235,  
0.1573


 34.7864, 0.3201,  
0.2024

 23.7329, 0.3238,  
0.1557


 40.5425, 0.3188,  
0.2231


 47.7494, 0.3174,  
0.2462

 56.4962, 0.3160,  
0.2706

 66.8651, 0.3146,  
0.2955

 78.9324, 0.3132,  
0.3201

 92.7696, 0.3119,  
0.3437

 95.4319, 0.3116,  
0.3476

# Harmonies

## Analogous

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



27.2186, 0.1912, 0.1350



27.2186, 0.3222, 0.1714



27.2186, 0.4909, 0.2351

# Triad

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



27.2186, 0.3222, 0.1714



27.2186, 0.4911, 0.5027



27.2186, 0.0925, 0.2446

# Complementary

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



27.2186, 0.3222, 0.1714



61.3796, 0.3012, 0.5619

# 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.



27.2186, 0.1392, 0.4270



27.2186, 0.3222, 0.1714



27.2186, 0.3654, 0.6088

# Square

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



27.2186, 0.3222, 0.1714



27.2186, 0.5839, 0.3957



27.2186, 0.2403, 0.6120



27.2186, 0.0893, 0.1574



# Rectangle

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



27.2186, 0.3222, 0.1714



27.2186, 0.5756, 0.2854



27.2186, 0.2403, 0.6120



27.2186, 0.1022, 0.2942

# Sweetspot

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



27.2199, 0.3222, 0.1714



69.2401, 0.3157, 0.2747



10.5269, 0.1717, 0.0959



14.1539, 0.3161, 0.2679



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.



27.2199, 0.3222, 0.1714



29.2770, 0.3233, 0.1594



23.4479, 0.4350, 0.2444



15.3107, 0.3140, 0.3061



13.0847, 0.3237, 0.1557



1.0284, 0.3233, 0.1555



# Inverse Universe

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



27.2199, 0.3222, 0.1714



29.2770, 0.3233, 0.1594



63.1797, 0.2686, 0.4537



15.3107, 0.3140, 0.3061



13.0847, 0.3237, 0.1557



1.0284, 0.3233, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 27.2186, 0.3222, 0.1714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

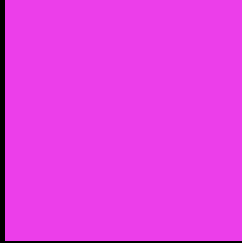
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.2186, 0.3222, 0.1714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

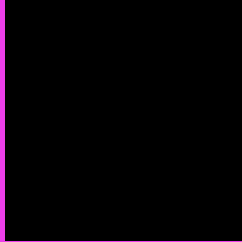
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.2186, 0.3222, 0.1714**

## Background



This preview shows how black text looks on a background with the Yxy color 27.2186, 0.3222, 0.1714.

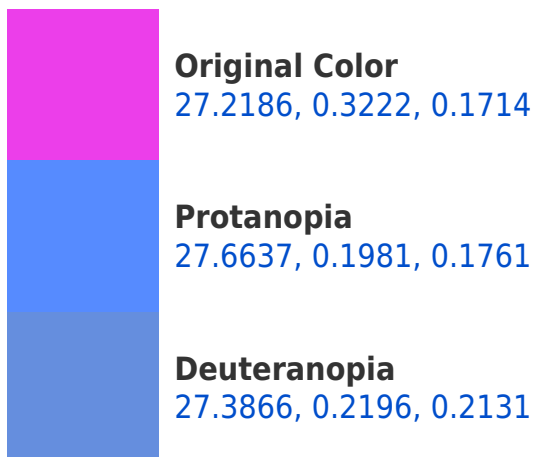


This preview shows how white text looks on a background with the Yxy color 27.2186, 0.3222, 0.1714.

# 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





## Tritanopia

27.0299, 0.4549, 0.3214

# Trichromacy



## Original Color

27.2186, 0.3222, 0.1714



## Protanomaly

23.7470, 0.2260, 0.1604



## Deuteranomaly

23.7853, 0.2462, 0.1818



## Tritanomaly

26.0775, 0.4051, 0.2550

# Monochromacy



## Original Color

27.2186, 0.3222, 0.1714



## Achromatopsia

23.8398, 0.3127, 0.3290



## Achromatomaly

22.2853, 0.3180, 0.2410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.2186, 0.3222, 0.1714 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(236, 62, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 62, 234)  
}
```

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(236, 62, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 62, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 27.2186, 0.3222, 0.1714 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(236, 62, 234) }
```

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

```
.border{ border-color:rgb(236, 62, 234) }
```

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

Here you see how a box with a 4 pixel rgb(236, 62, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 62, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 62, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 62,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.2186, 0.3222, 0.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 62, 234) }
```

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

```
.background{ background-color: rgb(236, 62,  
234) }
```

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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