

# Converting Colors

Yxy(24.0354, 0.2862, 0.1421)

Have a look what the booklet for  
Yxy(24.0354, 0.2862, 0.1421)  
contains.

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# Color

**Yxy(24.0215, 0.2860, 0.1421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC29FF
RGB	220, 41, 255
RGB Percent	86%, 16%, 100%
CMY	0.1374, 0.8388, 0.0001
CMYK	0.14, 0.84, 0.00, 0.00
HSL	290°, 100%, 58%
HSV	290°, 84%, 100%
XYZ	48.3473, 24.0215, 96.6777
YIQ	118.9170, 37.9900, 104.5020

# Conversions

## Conversions Part 2

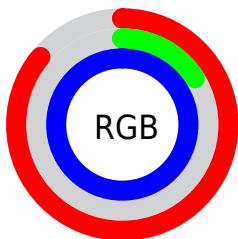
Format	Color
R <sub>Y</sub> B	220, 41, 255
Decimal	14428671
CIE Lab	56.11, 88.31, -67.90
CIE LCh	56, 111.401, 322.444
Yxy	24.0215, 0.2860, 0.1421
Android (android.graphics.Color)	4292618751 (0xFFDC29FF)
YUV	118.9170, 67.0889, 88.6498
Hunter-Lab	49.0117, 90.3096, -82.6438

# Details

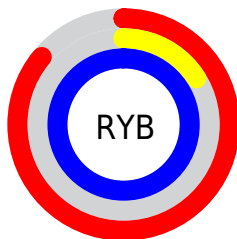
The Yxy color **24.0215, 0.2860, 0.1421** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **73.2086, 0.3094, 0.5786**, and the grayscale version is **18.2128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **11.5048, 0.2736, 0.1281** is the 20% darker color. If you saturate the color by 10%, you get **22.1451, 0.2816, 0.1342**, and if you desaturate by 10%, it is **27.0562, 0.2904, 0.1546**.

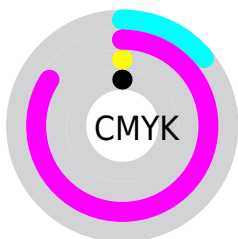
# Distribution



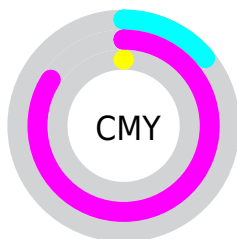
- Red (86%)
- Green (16%)
- Blue (100%)



- Red (86%)
- Yellow (16%)
- Blue (100%)



- Cyan (14%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (84%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0215, 0.2860, 0.1421 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 24.0215, 0.2860, 0.1421 by changing the saturation by 10% instead.





 24.0215, 0.2860,  
0.1421


 24.0215, 0.2860,  
0.1421


272.9292, 0.3053,  
0.2248


 15.3496, 0.2799,  
0.1252


 50.0653, 0.2941,  
0.1694

 9.0651, 0.2716,  
0.1057

 68.2059, 0.2968,  
0.1804

 4.7837, 0.2599,  
0.0832


 90.2716, 0.2990,  
0.1901

 2.1209, 0.2430,  
0.0582

 116.6467, 0.3008,  
0.1987

 0.6763, 0.2179,  
0.0313

 147.7156, 0.3022,  
0.2063

 0.0000, 0.1813,  
0.0000

183.8627, 0.3034,

 0.0000, 0.1223,

0.2131

0.0000

225.4724, 0.3044,  
0.2192

■ 0.0000, 0.0000,  
0.0000

■ 24.0215, 0.2860,  
0.1421

■ 24.0215, 0.2860,  
0.1421

■ 22.1451, 0.2816,  
0.1342

■ 27.0562, 0.2904,  
0.1546

■ 21.4002, 0.2790,  
0.1311

■ 31.4367, 0.2946,  
0.1716

■ 37.3199, 0.2986,  
0.1924

■ 44.8404, 0.3022,  
0.2161

■ 54.1176, 0.3054,  
0.2417

 65.2597, 0.3081,  
0.2680

 78.3662, 0.3103,  
0.2942

 93.5294, 0.3121,  
0.3195

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



24.0215, 0.1543, 0.1105



24.0215, 0.2860, 0.1421



24.0215, 0.4842, 0.2046

# Triad

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



24.0215, 0.2860, 0.1421



24.0215, 0.5218, 0.4782



24.0215, 0.0726, 0.2553

# Complementary

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



24.0215, 0.2860, 0.1421



73.2086, 0.3094, 0.5786

# 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.



24.0215, 0.1272, 0.4994



24.0215, 0.2860, 0.1421



24.0215, 0.3794, 0.6206

# Square

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



24.0215, 0.2860, 0.1421



24.0215, 0.6266, 0.3644



24.0215, 0.2404, 0.6894



24.0215, 0.0657, 0.1449



# Rectangle

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



24.0215, 0.2860, 0.1421



24.0215, 0.5980, 0.2557



24.0215, 0.2404, 0.6894



24.0215, 0.0839, 0.3215

# Sweetspot

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



24.0225, 0.2860, 0.1421



63.9248, 0.3078, 0.2650



12.9657, 0.1655, 0.0993



12.8140, 0.3069, 0.2558



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.



24.0225, 0.2860, 0.1421



21.4043, 0.2790, 0.1311



26.2970, 0.4067, 0.2112



18.1410, 0.3112, 0.3054



11.2401, 0.2797, 0.1315



1.1327, 0.2847, 0.1342



# Inverse Universe

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



23.3729, 0.5718, 0.3084



21.4253, 0.6200, 0.3189



73.1587, 0.2825, 0.5216



18.0356, 0.3268, 0.3251



11.2094, 0.6168, 0.3172



1.1045, 0.5890, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 24.0215, 0.2860, 0.1421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

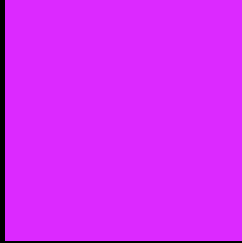
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.0215, 0.2860, 0.1421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

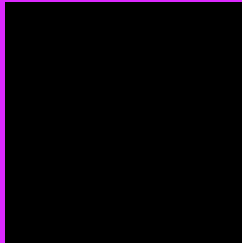
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.0215, 0.2860, 0.1421**

## Background



This preview shows how black text looks on a background with the Yxy color 24.0215, 0.2860, 0.1421.



This preview shows how white text looks on a background with the Yxy color 24.0215, 0.2860, 0.1421.

# 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

24.0215, 0.2860, 0.1421

### Protanopia

24.5094, 0.1874, 0.1628

### Deuteranopia

24.5182, 0.1858, 0.1796



## Tritanopia

23.7129, 0.4321, 0.3190

# Trichromacy



## Original Color

24.0215, 0.2860, 0.1421



## Protanomaly

19.9484, 0.2052, 0.1357



## Deuteranomaly

18.8092, 0.1969, 0.1396



## Tritanomaly

22.1611, 0.3733, 0.2309

# Monochromacy



## Original Color

24.0215, 0.2860, 0.1421



## Achromatopsia

18.4475, 0.3127, 0.3290



## Achromatomaly

17.3772, 0.3027, 0.2145

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.0215, 0.2860, 0.1421 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(220, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 41, 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(220, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 41, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 24.0215, 0.2860, 0.1421 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(220, 41, 255) }
```

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

```
.border{ border-color:rgb(220, 41, 255) }
```

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

Here you see how a box with a 4 pixel rgb(220, 41, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 41,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.0215, 0.2860, 0.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 41, 255) }
```

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

```
.background{ background-color: rgb(220, 41,  
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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