

# Converting Colors

$Yxy(26.3343, 0.3454, 0.1676)$

Have a look what the booklet for  
Yxy(26.3343, 0.3454, 0.1676)  
contains.

<b>Yxy(26.3526, 0.3458, 0.1679)</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(26.3526, 0.3458, 0.1679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00E5
RGB	252, 0, 229
RGB Percent	99%, 0%, 90%
CMY	0.0119, 0.9983, 0.1021
CMYK	0.00, 1.00, 0.09, 0.01
HSL	305°, 100%, 49%
HSV	305°, 100%, 99%
XYZ	54.2747, 26.3526, 76.3268
YIQ	101.4540, 76.6830, 124.6430

# Conversions

## Conversions Part 2

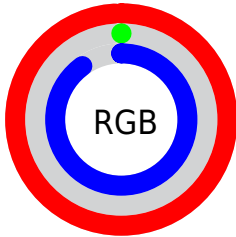
Format	Color
<b>R<sub>YB</sub></b>	252, 0, 229
Decimal	16515301
CIE <sub>Lab</sub>	58.37, 94.26, -49.44
CIE <sub>LCh</sub>	58, 106.435, 332.321
Yxy	26.3526, 0.3458, 0.1679
Android (android.graphics.Color)	4294705381 (0xFFFC00E5)
YUV	101.4540, 62.8802, 132.0288
Hunter-Lab	51.3348, 98.8869, -52.2206

# Details

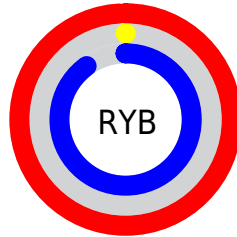
The Yxy color **26.3526, 0.3458, 0.1679** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **69.6675, 0.2987, 0.5951**, and the grayscale version is **13.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **13.9643, 0.3448, 0.1673** is the 20% darker color. If you saturate the color by 10%, you get **26.3424, 0.3459, 0.1679**, and if you desaturate by 10%, it is **27.1965, 0.3428, 0.1697**.

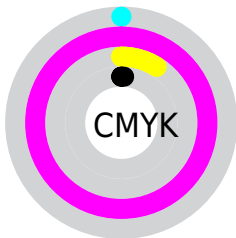
# Distribution



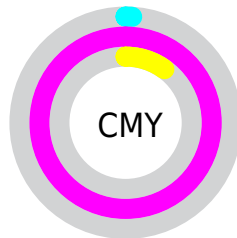
- Red (99%)
- Green (0%)
- Blue (90%)



- Red (99%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3526, 0.3458, 0.1679 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 26.3526, 0.3458, 0.1679 by changing the saturation by 10% instead.





 26.3526, 0.3458,  
0.1679

 26.3526, 0.3458,  
0.1679


284.5087, 0.3334,  
0.2412


 17.0876, 0.3477,  
0.1521


 53.8432, 0.3422,  
0.1927


 10.2970, 0.3494,  
0.1333


 72.8377, 0.3406,  
0.2025


 5.5963, 0.3506,  
0.1109


 95.8440, 0.3392,  
0.2111

 2.6012, 0.3504,  
0.0841

 123.2467, 0.3378,  
0.2186

 0.9273, 0.3468,  
0.0534

 155.4301, 0.3366,  
0.2253

 0.0000, 0.3424,  
0.0000

192.7787, 0.3354,

 0.0000, 0.3041,

0.2312

0.0000

235.6767, 0.3344,  
0.2364

■ 0.0000, 0.0286,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 26.3526, 0.3458,  
0.1679

■ 26.3526, 0.3458,  
0.1679

■ 26.3424, 0.3459,  
0.1679

■ 27.1965, 0.3428,  
0.1697

■ 28.9575, 0.3396,  
0.1753

■ 31.9099, 0.3360,  
0.1854

■ 36.2224, 0.3324,  
0.1998

■ 42.0369, 0.3286,  
0.2177

■ 49.4776, 0.3250,  
0.2384

■ 58.6554, 0.3215,  
0.2608

■ 69.6718, 0.3182,  
0.2839

■ 82.6203, 0.3153,  
0.3070

# Harmonies

## Analogous

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



26.3526, 0.1961, 0.1263



26.3526, 0.3458, 0.1679



26.3526, 0.5310, 0.2365

# Triad

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



26.3526, 0.3458, 0.1679



26.3526, 0.4772, 0.5228



26.3526, 0.0764, 0.2159

# Complementary

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



26.3526, 0.3458, 0.1679



69.6675, 0.2987, 0.5951

# 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.



26.3526, 0.1141, 0.4023



26.3526, 0.3458, 0.1679



26.3526, 0.3396, 0.6422

# Square

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



26.3526, 0.3458, 0.1679



26.3526, 0.5897, 0.4035



26.3526, 0.2107, 0.6301



26.3526, 0.0792, 0.1377



# Rectangle

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



26.3526, 0.3458, 0.1679



26.3526, 0.6113, 0.2880



26.3526, 0.2107, 0.6301



26.3526, 0.0833, 0.2636

# Sweetspot

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



26.3539, 0.3458, 0.1679



60.0776, 0.3215, 0.2603



7.1993, 0.1521, 0.0612



11.9626, 0.3230, 0.2508



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.



26.3539, 0.3458, 0.1679



27.0679, 0.3459, 0.1679



21.7237, 0.5351, 0.2722



17.4956, 0.3152, 0.3077



13.7376, 0.3454, 0.1676



1.2801, 0.3421, 0.1658



# Inverse Universe

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



26.3539, 0.3458, 0.1679



27.0679, 0.3459, 0.1679



71.7155, 0.2651, 0.4743



17.4956, 0.3152, 0.3077



13.7376, 0.3454, 0.1676



1.2801, 0.3421, 0.1658



# Previews

## White Background



This preview shows how the Yxy color 26.3526, 0.3458, 0.1679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

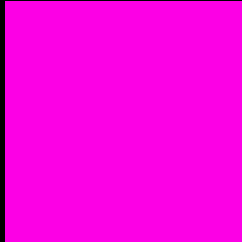
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3526, 0.3458, 0.1679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

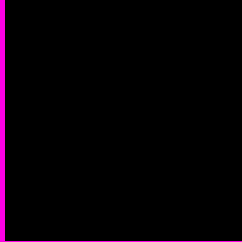
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3526, 0.3458, 0.1679**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3526, 0.3458, 0.1679.



This preview shows how white text looks on a background with the Yxy color 26.3526, 0.3458, 0.1679.

# 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

26.3526, 0.3458, 0.1679

### Protanopia

27.1908, 0.1962, 0.1742

### Deuteranopia

27.0202, 0.2259, 0.2200



## Tritanopia

26.5076, 0.5052, 0.3238

# Trichromacy



## Original Color

26.3526, 0.3458, 0.1679



## Protanomaly

19.5626, 0.2251, 0.1392



## Deuteranomaly

19.8506, 0.2559, 0.1645



## Tritanomaly

24.1730, 0.4529, 0.2499

# Monochromacy



## Original Color

26.3526, 0.3458, 0.1679



## Achromatopsia

13.2868, 0.3127, 0.3290



## Achromatomaly

13.0868, 0.3321, 0.2056

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3526, 0.3458, 0.1679 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(252, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 229)  
}
```

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(252, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3526, 0.3458, 0.1679 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(252, 0, 229) }
```

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

```
.border{ border-color:rgb(252, 0, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3526, 0.3458, 0.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 229) }
```

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

```
.background{ background-color: rgb(252, 0,  
229) }
```

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