

# Converting Colors

$Y_{xy}(35.8271, 0.3190, 0.1995)$

Have a look what the booklet for  
Yxy(35.8271, 0.3190, 0.1995)  
contains.

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**Color**

**Yxy(35.7538, 0.3188, 0.1995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F06DF0
RGB	240, 109, 240
RGB Percent	94%, 43%, 94%
CMY	0.0588, 0.5726, 0.0588
CMYK	0.00, 0.55, 0.00, 0.06
HSL	300°, 81%, 68%
HSV	300°, 55%, 94%
XYZ	57.1344, 35.7538, 86.3288
YIQ	163.1030, 36.0250, 68.5130

# Conversions

## Conversions Part 2

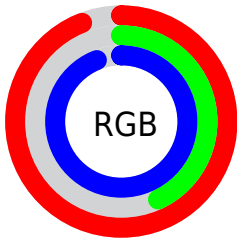
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 109, 240
Decimal	15756784
CIE <sub>Lab</sub>	66.33, 67.10, -43.16
CIE <sub>LCh</sub>	66, 79.783, 327.251
Y <sub>xy</sub>	35.7538, 0.3188, 0.1995
Android (android.graphics.Color)	4293946864 (0xFFFF06DF0)
Y <sub>UV</sub>	163.1030, 37.9102, 67.4387
Hunter-Lab	59.7945, 65.9187, -43.7444

# Details

The Yxy color **35.7538, 0.3188, 0.1995** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **66.6818, 0.3045, 0.5047**, and the grayscale version is **36.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **15.5239, 0.3174, 0.1714** is the 20% darker color. If you saturate the color by 10%, you get **31.3150, 0.3196, 0.1823**, and if you desaturate by 10%, it is **41.5935, 0.3178, 0.2201**.

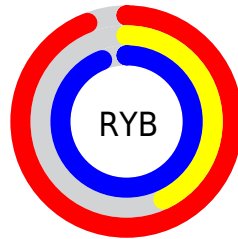
# Distribution



Red (94%)

Green (43%)

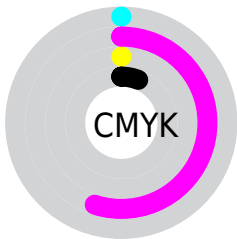
Blue (94%)



Red (94%)

Yellow (43%)

Blue (94%)

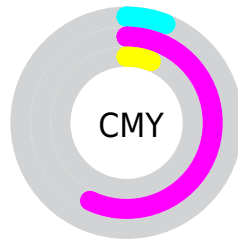


Cyan (0%)

Magenta (55%)

Yellow (0%)

Black (6%)



Cyan (6%)

Magenta (57%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7538, 0.3188, 0.1995 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 35.7538, 0.3188, 0.1995 by changing the saturation by 10% instead.





 35.7538, 0.3188,  
0.1995


 35.7538, 0.3188,  
0.1995


327.8832, 0.3186,  
0.2586


 24.2441, 0.3182,  
0.1865


 68.6519, 0.3193,  
0.2196

 15.5148, 0.3170,  
0.1708


 90.8091, 0.3193,  
0.2276

 9.1815, 0.3148,  
0.1517


 117.2842, 0.3192,  
0.2345

 4.8597, 0.3110,  
0.1279

148.4617, 0.3191,  
0.2405

 2.1652, 0.3038,  
0.0983

184.7260, 0.3190,  
0.2458

 0.7009, 0.2901,  
0.0613

226.4614, 0.3189,

 0.0000, 0.2665,

0.2505

0.0000

274.0523, 0.3187,  
0.2548

■ 0.0000, 0.1227,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.7538, 0.3188,  
0.1995

■ 35.7538, 0.3188,  
0.1995

■ 31.3150, 0.3196,  
0.1823

■ 41.5935, 0.3178,  
0.2201

■ 28.1554, 0.3202,  
0.1690


■ 48.9328, 0.3167,  
0.2432

■ 26.1410, 0.3207,  
0.1602

■ 57.8671, 0.3156,  
0.2678

■ 25.1058, 0.3209,  
0.1555


■ 68.4827, 0.3144,  
0.2929


 24.8181, 0.3209,  
0.1542

 80.8596, 0.3132,  
0.3178

 95.0726, 0.3121,  
0.3419

 96.3392, 0.3120,  
0.3438

 96.3393, 0.3120,  
0.3438

 96.3393, 0.3120,  
0.3438

# Harmonies

## Analogous

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



35.7538, 0.2144, 0.1681



35.7538, 0.3188, 0.1995



35.7538, 0.4447, 0.2548

# Triad

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



35.7538, 0.3188, 0.1995



35.7538, 0.4734, 0.4823



35.7538, 0.1333, 0.2739

# Complementary

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



35.7538, 0.3188, 0.1995



66.6818, 0.3045, 0.5047

# 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.



35.7538, 0.1812, 0.4088



35.7538, 0.3188, 0.1995



35.7538, 0.3765, 0.5487

# Square

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



35.7538, 0.3188, 0.1995



35.7538, 0.5363, 0.3999



35.7538, 0.2705, 0.5337



35.7538, 0.1258, 0.1952



# Rectangle

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



35.7538, 0.3188, 0.1995



35.7538, 0.5110, 0.3000



35.7538, 0.2705, 0.5337



35.7538, 0.1443, 0.3135

# Sweetspot

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



35.7554, 0.3188, 0.1995



76.6743, 0.3146, 0.2893



20.4799, 0.2069, 0.1541



15.8511, 0.3148, 0.2841



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.



35.7554, 0.3188, 0.1995



35.2472, 0.3197, 0.1798



32.5397, 0.3908, 0.2590



16.0314, 0.3138, 0.3057



13.5844, 0.3209, 0.1542



1.1301, 0.3209, 0.1542



# Inverse Universe

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



35.7554, 0.3188, 0.1995



35.2472, 0.3197, 0.1798



68.6532, 0.2737, 0.4161



16.0314, 0.3138, 0.3057



13.5844, 0.3209, 0.1542



1.1301, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 35.7538, 0.3188, 0.1995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

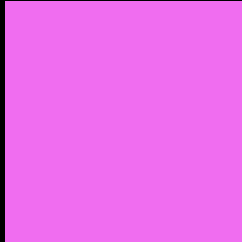
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.7538, 0.3188, 0.1995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

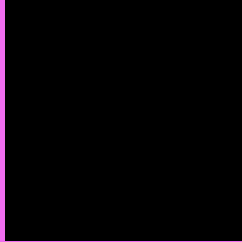
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.7538, 0.3188, 0.1995**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7538, 0.3188, 0.1995.



This preview shows how white text looks on a background with the Yxy color 35.7538, 0.3188, 0.1995.

# 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

35.7538, 0.3188, 0.1995

### Protanopia

36.3014, 0.2220, 0.2079

### Deuteranopia

36.0620, 0.2407, 0.2347



## Tritanopia

35.5578, 0.4069, 0.3176

# Trichromacy



## Original Color

35.7538, 0.3188, 0.1995



## Protanomaly

34.0589, 0.2481, 0.1988



## Deuteranomaly

33.8745, 0.2639, 0.2148



## Tritanomaly

35.0777, 0.3731, 0.2684

# Monochromacy



## Original Color

35.7538, 0.3188, 0.1995



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

34.4829, 0.3156, 0.2673

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7538, 0.3188, 0.1995 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(240, 109, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 109, 240)  
}
```

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(240, 109, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 109, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7538, 0.3188, 0.1995 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(240, 109, 240) }
```

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

```
.border{ border-color:rgb(240, 109, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 109, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 109, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 109, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 109,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7538, 0.3188, 0.1995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 109, 240) }
```

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

```
.background{ background-color: rgb(240,  
109, 240) }
```

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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