

# Converting Colors

$Y_{xy}(29.9233, 0.4182, 0.2653)$

Have a look what the booklet for  
Yxy(29.9233, 0.4182, 0.2653)  
contains.

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# Color

**Yxy(29.8953, 0.4180, 0.2655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2619E
RGB	242, 97, 158
RGB Percent	95%, 38%, 62%
CMY	0.0509, 0.6196, 0.3804
CMYK	0.00, 0.60, 0.35, 0.05
HSL	335°, 85%, 66%
HSV	335°, 60%, 95%
XYZ	47.0668, 29.8953, 35.6379
YIQ	147.3090, 66.8390, 49.7110

# Conversions

## Conversions Part 2

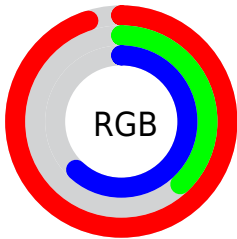
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 97, 158
Decimal	15884702
CIE Lab	61.56, 61.25, -4.10
CIE LCh	62, 61.385, 356.170
Yxy	29.8953, 0.4180, 0.2655
Android (android.graphics.Color)	4294074782 (0xFFFF2619E)
YUV	147.3090, 5.2707, 83.0440
Hunter-Lab	54.6766, 57.9726, -0.3713

# Details

The Yxy color **29.8953, 0.4180, 0.2655** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.3880, 0.2662, 0.4102**, and the grayscale version is **29.2696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1753, 0.3541, 0.2687**, and **12.2684, 0.4521, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **25.6306, 0.4462, 0.2598**, and if you desaturate by 10%, it is **35.5818, 0.3926, 0.2743**.

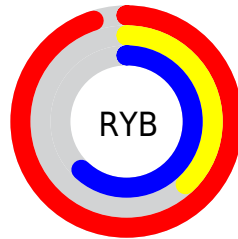
# Distribution



Red (95%)

Green (38%)

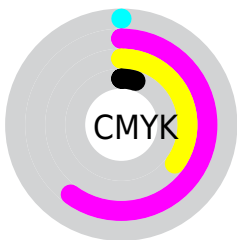
Blue (62%)



Red (95%)

Yellow (38%)

Blue (62%)

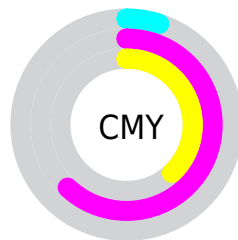


Cyan (0%)

Magenta (60%)

Yellow (35%)

Black (5%)



Cyan (5%)

Magenta (62%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8953, 0.4180, 0.2655 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 29.8953, 0.4180, 0.2655 by changing the saturation by 10% instead.





 29.8953, 0.4180,  
0.2655


 29.8953, 0.4180,  
0.2655


301.4161, 0.3623,  
0.2986


 19.7591, 0.4329,  
0.2569


 59.4966, 0.3970,  
0.2778

 12.2201, 0.4525,  
0.2456


 79.7304, 0.3894,  
0.2823

 6.8937, 0.4795,  
0.2303


 104.0990, 0.3830,  
0.2861

 3.3957, 0.5187,  
0.2084

 132.9867, 0.3776,  
0.2894

 1.3417, 0.5800,  
0.1753

166.7778, 0.3729,  
0.2922

 0.1731, 0.7508,  
0.0665

205.8569, 0.3689,

 0.0000, 1.0000,

0.2946


0.0000


250.6082, 0.3654,  
0.2967

 0.0000, 0.0000,  
0.0000


 29.8953, 0.4180,  
0.2655


 29.8953, 0.4180,  
0.2655


 25.6306, 0.4462,  
0.2598


 35.5818, 0.3926,  
0.2743


 22.6527, 0.4760,  
0.2584

 42.7995, 0.3705,  
0.2848


 20.8083, 0.5056,  
0.2623


 51.6524, 0.3518,  
0.2961


 19.8410, 0.5332,  
0.2711

 62.2341, 0.3361,  
0.3076

 19.8345, 0.5334,  
0.2712

 74.6309, 0.3232,  
0.3186

 88.9235, 0.3126,  
0.3291

 97.6190, 0.3048,  
0.3290

# Harmonies

## Analogous

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



29.8953, 0.3156, 0.2169



29.8953, 0.4180, 0.2655



29.8953, 0.4918, 0.3274

# Triad

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



29.8953, 0.4180, 0.2655



29.8953, 0.3766, 0.5104



29.8953, 0.1509, 0.2194

# Complementary

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



29.8953, 0.4180, 0.2655



69.3880, 0.2662, 0.4102

# 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.



29.8953, 0.1607, 0.2901



29.8953, 0.4180, 0.2655



29.8953, 0.2853, 0.4932

# Square

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



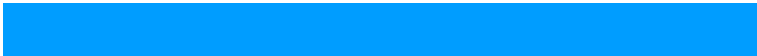
29.8953, 0.4180, 0.2655



29.8953, 0.4566, 0.4631



29.8953, 0.2064, 0.3985



29.8953, 0.1731, 0.1890



# Rectangle

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



29.8953, 0.4180, 0.2655



29.8953, 0.5066, 0.3722



29.8953, 0.2064, 0.3985



29.8953, 0.1505, 0.2381

# Sweetspot

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



29.8969, 0.4180, 0.2655



72.5342, 0.3335, 0.3097



24.5648, 0.2592, 0.1635



14.7129, 0.3376, 0.3064



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.



29.8969, 0.4180, 0.2655



27.9759, 0.4529, 0.2591



30.1880, 0.4944, 0.3392



15.8692, 0.3227, 0.3191



10.6802, 0.5292, 0.2689



0.9079, 0.4954, 0.2502



# Inverse Universe

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



29.8969, 0.4180, 0.2655



27.9759, 0.4529, 0.2591



66.8590, 0.2365, 0.3168



15.8692, 0.3227, 0.3191



10.6802, 0.5292, 0.2689



0.9079, 0.4954, 0.2502



# Previews

## White Background



This preview shows how the Yxy color 29.8953, 0.4180, 0.2655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

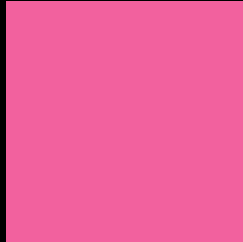
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.8953, 0.4180, 0.2655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

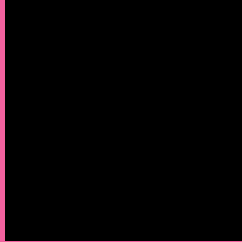
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.8953, 0.4180, 0.2655**

## Background



This preview shows how black text looks on a background with the Yxy color 29.8953, 0.4180, 0.2655.

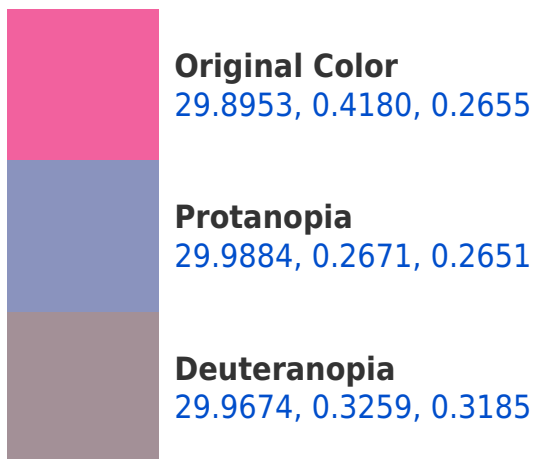


This preview shows how white text looks on a background with the Yxy color 29.8953, 0.4180, 0.2655.

# 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

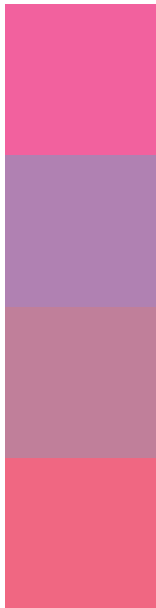




## Tritanopia

29.8737, 0.4706, 0.3211

# Trichromacy



## Original Color

29.8953, 0.4180, 0.2655

## Protanomaly

28.1450, 0.3137, 0.2613

## Deuteranomaly

28.7183, 0.3583, 0.2926

## Tritanomaly

29.8375, 0.4519, 0.3009

# Monochromacy



## Original Color

29.8953, 0.4180, 0.2655

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

27.8800, 0.3499, 0.2980

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8953, 0.4180, 0.2655 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(242, 97, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 97, 158)  
}
```

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(242, 97, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 97, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8953, 0.4180, 0.2655 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(242, 97, 158) }
```

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

```
.border{ border-color:rgb(242, 97, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 97, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 97, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 97, 158);  
box-shadow:4px 4px 4px 4px rgb(242, 97,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8953, 0.4180, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 97, 158) }
```

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

```
.background{ background-color: rgb(242, 97,  
158) }
```

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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