

# Converting Colors

$Y_{xy}(28.9792, 0.4642, 0.2756)$

Have a look what the booklet for  
Yxy(28.9792, 0.4642, 0.2756)  
contains.

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# Color

**Yxy(29.0089, 0.4638, 0.2755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF518B
RGB	255, 81, 139
RGB Percent	100%, 32%, 55%
CMY	0.0001, 0.6822, 0.4549
CMYK	0.00, 0.68, 0.45, 0.00
HSL	340°, 100%, 66%
HSV	340°, 68%, 100%
XYZ	48.8360, 29.0089, 27.4505
YIQ	139.6380, 85.0860, 54.9260

# Conversions

## Conversions Part 2

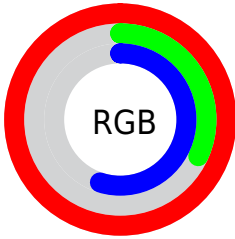
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 81, 139
Decimal	16732555
CIE <sub>Lab</sub>	60.79, 69.48, 6.05
CIE <sub>LCh</sub>	61, 69.744, 4.976
Yxy	29.0089, 0.4638, 0.2755
Android (android.graphics.Color)	4294922635 (0xFFFF518B)
YUV	139.6380, -0.3145, 101.1725
Hunter-Lab	53.8599, 67.5953, 7.4839

# Details

The Yxy color **29.0089, 0.4638, 0.2755** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **77.2881, 0.2568, 0.4032**, and the grayscale version is **26.0607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8219, 0.3779, 0.2754**, and **12.0587, 0.5131, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **25.4449, 0.4989, 0.2752**, and if you desaturate by 10%, it is **34.0753, 0.4306, 0.2798**.

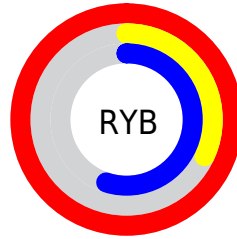
# Distribution



Red (100%)

Green (32%)

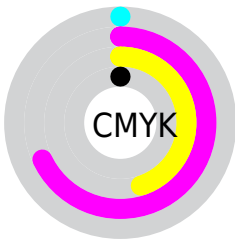
Blue (55%)



Red (100%)

Yellow (32%)

Blue (55%)

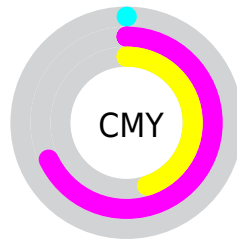


Cyan (0%)

Magenta (68%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (68%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0089, 0.4638, 0.2755 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 29.0089, 0.4638, 0.2755 by changing the saturation by 10% instead.





 29.0089, 0.4638,  
0.2755


 29.0089, 0.4638,  
0.2755


297.2570, 0.3828,  
0.3053

 19.0876, 0.4856,  
0.2671


 58.0912, 0.4331,  
0.2871

 11.7336, 0.5143,  
0.2557


 78.0210, 0.4220,  
0.2912

 6.5625, 0.5537,  
0.2397


 102.0557, 0.4127,  
0.2946

 3.1900, 0.6102,  
0.2158

 130.5797, 0.4048,  
0.2974

 1.2317, 0.6952,  
0.1780

163.9775, 0.3981,  
0.2999

 0.0874, 0.9613,  
0.0387

202.6333, 0.3923,

 0.0000, 1.0000,

0.3019

0.0000

246.9317, 0.3872,  
0.3038

■ 0.0000, 0.0000,  
0.0000

■ 29.0089, 0.4638,  
0.2755

■ 29.0089, 0.4638,  
0.2755

■ 25.4449, 0.4989,  
0.2752

■ 34.0753, 0.4306,  
0.2798

■ 23.2062, 0.5333,  
0.2797

■ 40.7851, 0.4010,  
0.2868


■ 22.0587, 0.5640,  
0.2890

■ 49.2684, 0.3756,  
0.2953

■ 21.9107, 0.5690,  
0.2908

■ 59.6408, 0.3543,  
0.3043

■ 72.0080, 0.3368,  
0.3135

 86.4678, 0.3225,  
0.3222

99.9955, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.0089, 0.3493, 0.2176



29.0089, 0.4638, 0.2755



29.0089, 0.5280, 0.3445

# Triad

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



29.0089, 0.4638, 0.2755



29.0089, 0.3500, 0.5417



29.0089, 0.1374, 0.1912

# Complementary

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



29.0089, 0.4638, 0.2755



77.2881, 0.2568, 0.4032

# 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.



29.0089, 0.1366, 0.2537



29.0089, 0.4638, 0.2755



29.0089, 0.2499, 0.4964

# Square

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



29.0089, 0.4638, 0.2755



29.0089, 0.4460, 0.4960



29.0089, 0.1727, 0.3685



29.0089, 0.1711, 0.1705



# Rectangle

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



29.0089, 0.4638, 0.2755



29.0089, 0.5273, 0.3939



29.0089, 0.1727, 0.3685



29.0089, 0.1334, 0.2067

# Sweetspot

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



29.0105, 0.4638, 0.2755



69.6659, 0.3397, 0.3118



24.9795, 0.2650, 0.1504



14.1450, 0.3444, 0.3093



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.



29.0105, 0.4638, 0.2755



24.4573, 0.5122, 0.2763



33.0086, 0.5197, 0.3552



18.0869, 0.3242, 0.3211



11.4759, 0.5647, 0.2885



1.1367, 0.5329, 0.2709



# Inverse Universe

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



29.0105, 0.4638, 0.2755



24.4573, 0.5122, 0.2763



63.3553, 0.2249, 0.2930



18.0869, 0.3242, 0.3211



11.4759, 0.5647, 0.2885



1.1367, 0.5329, 0.2709



# Previews

## White Background



This preview shows how the Yxy color 29.0089, 0.4638, 0.2755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

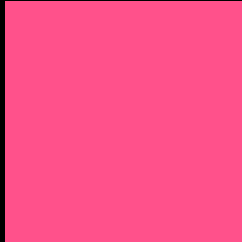
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.0089, 0.4638, 0.2755 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 29.0089, 0.4638, 0.2755**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0089, 0.4638, 0.2755.



This preview shows how white text looks on a background with the Yxy color 29.0089, 0.4638, 0.2755.

# 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

29.0089, 0.4638, 0.2755

### Protanopia

29.2678, 0.2798, 0.2831

### Deuteranopia

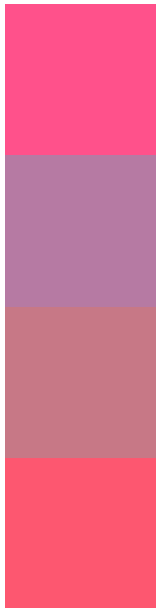
29.2002, 0.3518, 0.3458



## Tritanopia

29.0221, 0.5153, 0.3251

# Trichromacy



## Original Color

29.0089, 0.4638, 0.2755

## Protanomaly

26.5085, 0.3374, 0.2721

## Deuteranomaly

27.2963, 0.3935, 0.3106

## Tritanomaly

28.8689, 0.4976, 0.3067

# Monochromacy



## Original Color

29.0089, 0.4638, 0.2755

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

25.0322, 0.3659, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0089, 0.4638, 0.2755 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(255, 81, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 139)  
}
```

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(255, 81, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0089, 0.4638, 0.2755 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(255, 81, 139) }
```

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

```
.border{ border-color:rgb(255, 81, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 81, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0089, 0.4638, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 139) }
```

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

```
.background{ background-color: rgb(255, 81,  
139) }
```

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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