

# Converting Colors

$Y_{xy}(55.8884, 0.3235, 0.2727)$

Have a look what the booklet for  
Yxy(55.8884, 0.3235, 0.2727)  
contains.

<b>Yxy(55.9146, 0.3236, 0.2724)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.9146, 0.3236, 0.2724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1B1E7
RGB	241, 177, 231
RGB Percent	95%, 69%, 91%
CMY	0.0549, 0.3059, 0.0939
CMYK	0.00, 0.27, 0.04, 0.05
HSL	309°, 70%, 82%
HSV	309°, 27%, 95%
XYZ	66.4242, 55.9146, 82.9277
YIQ	202.2920, 20.8100, 30.3620

# Conversions

## Conversions Part 2

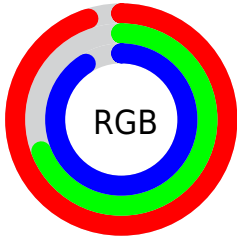
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 177, 231
Decimal	15839719
CIE Lab	79.57, 31.79, -17.88
CIE LCh	80, 36.474, 330.648
Yxy	55.9146, 0.3236, 0.2724
Android (android.graphics.Color)	4294029799 (0xFFFF1B1E7)
YUV	202.2920, 14.1530, 33.9469
Hunter-Lab	74.7761, 27.7050, -13.4102

# Details

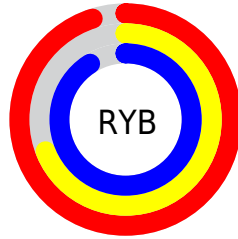
The Yxy color **55.9146, 0.3236, 0.2724** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.8383, 0.3035, 0.3931**, and the grayscale version is **59.1568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **27.7008, 0.3260, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **47.0132, 0.3287, 0.2510**, and if you desaturate by 10%, it is **66.5065, 0.3191, 0.2941**.

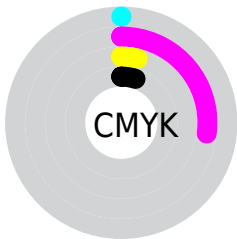
# Distribution



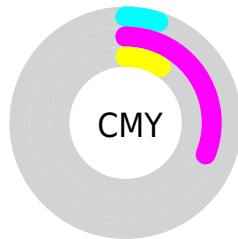
- Red (95%)
- Green (69%)
- Blue (91%)



- Red (95%)
- Yellow (69%)
- Blue (91%)



- Cyan (0%)
- Magenta (27%)
- Yellow (4%)
- Black (5%)




- Cyan (5%)
- Magenta (31%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9146, 0.3236, 0.2724 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 55.9146, 0.3236, 0.2724 by changing the saturation by 10% instead.





 55.9146, 0.3236,  
0.2724

 55.9146, 0.3236,  
0.2724

409.3696, 0.3189,  
0.2985

 40.1345, 0.3246,  
0.2665


 98.8797, 0.3220,  
0.2814

 27.6434, 0.3258,  
0.2592


126.8335, 0.3214,  
0.2849

 18.0570, 0.3272,  
0.2500


159.6139, 0.3209,  
0.2880

 10.9909, 0.3289,  
0.2381

197.6053, 0.3204,  
0.2906

 6.0607, 0.3309,  
0.2220

241.1922, 0.3199,  
0.2929

 2.8820, 0.3333,  
0.1993

290.7590, 0.3196,

 1.0705, 0.3357,

0.2950

0.1651

346.6900, 0.3192,  
0.2968

0.0000, 0.3751,  
0.0000

0.0000, 0.0000,  
0.0000

55.9146, 0.3236,  
0.2724

55.9146, 0.3236,  
0.2724

47.0132, 0.3287,  
0.2510

66.5065, 0.3191,  
0.2941

39.7063, 0.3342,  
0.2308

78.8634, 0.3151,  
0.3155

33.9000, 0.3400,  
0.2127

93.0644, 0.3116,  
0.3360

29.4872, 0.3461,  
0.1978

96.8747, 0.3092,  
0.3378

■ 26.3469, 0.3521,  
0.1869

■ 97.1070, 0.3071,  
0.3341

■ 24.3370, 0.3580,  
0.1805

■ 97.3440, 0.3050,  
0.3304

■ 23.2794, 0.3635,  
0.1787

■ 97.4392, 0.3041,  
0.3290

■ 23.0369, 0.3654,  
0.1786

# Harmonies

## Analogous

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



55.9146, 0.2767, 0.2550



55.9146, 0.3236, 0.2724



55.9146, 0.3708, 0.3024

# Triad

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



55.9146, 0.3236, 0.2724



55.9146, 0.3850, 0.4062



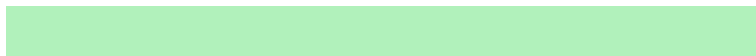
55.9146, 0.2306, 0.3077

# Complementary

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



55.9146, 0.3236, 0.2724



75.8383, 0.3035, 0.3931

# 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.



55.9146, 0.2555, 0.3550



55.9146, 0.3236, 0.2724



55.9146, 0.3440, 0.4158

# Square

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



55.9146, 0.3236, 0.2724



55.9146, 0.4071, 0.3771



55.9146, 0.2966, 0.3971



55.9146, 0.2261, 0.2717



# Rectangle

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



55.9146, 0.3236, 0.2724



55.9146, 0.3944, 0.3268



55.9146, 0.2966, 0.3971



55.9146, 0.2367, 0.3228

# Sweetspot

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



55.9171, 0.3236, 0.2724



87.4654, 0.3156, 0.3124



48.3106, 0.2735, 0.2541



18.2490, 0.3162, 0.3092



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.



55.9171, 0.3236, 0.2724



57.7308, 0.3263, 0.2605



54.2869, 0.3501, 0.3048



15.9867, 0.3162, 0.3093



12.5099, 0.3645, 0.1782



1.0520, 0.3578, 0.1745



# Inverse Universe

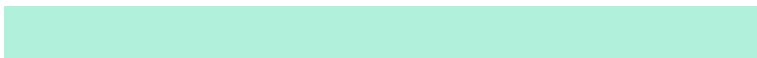
The Inverse Universe completely reimagines the original color for something new.



55.9171, 0.3236, 0.2724



57.7308, 0.3263, 0.2605



77.3459, 0.2858, 0.3547



15.9867, 0.3162, 0.3093



12.5099, 0.3645, 0.1782

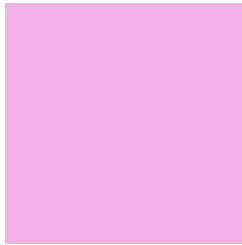


1.0520, 0.3578, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 55.9146, 0.3236, 0.2724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

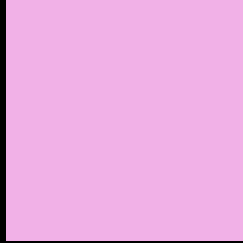
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9146, 0.3236, 0.2724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

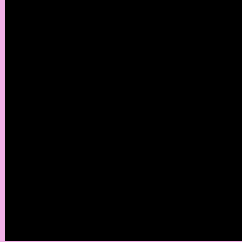
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9146, 0.3236, 0.2724**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9146, 0.3236, 0.2724.



This preview shows how white text looks on a background with the Yxy color 55.9146, 0.3236, 0.2724.

# 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

55.9146, 0.3236, 0.2724

### Protanopia

56.4506, 0.2730, 0.2737

### Deuteranopia

56.2979, 0.2946, 0.2888



## Tritanopia

55.9027, 0.3476, 0.3137

# Trichromacy



## Original Color

55.9146, 0.3236, 0.2724



## Protanomaly

55.7490, 0.2900, 0.2729



## Deuteranomaly

55.7967, 0.3046, 0.2822



## Tritanomaly

55.8283, 0.3387, 0.2987

# Monochromacy



## Original Color

55.9146, 0.3236, 0.2724



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

57.5430, 0.3162, 0.3063

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9146, 0.3236, 0.2724 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(241, 177, 231)` looks like.

```
.text, #text, p{  
    color:rgb(241, 177, 231)  
}
```

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(241, 177, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 177, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9146, 0.3236, 0.2724 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(241, 177, 231) }
```

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

```
.border{ border-color:rgb(241, 177, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 177, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 177, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 177, 231);  
box-shadow:4px 4px 4px 4px rgb(241, 177,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9146, 0.3236, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 177, 231) }
```

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

```
.background{ background-color: rgb(241,  
177, 231) }
```

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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