

# Converting Colors

Yxy(55.6743, 0.3193, 0.2714)

Have a look what the booklet for  
Yxy(55.6743, 0.3193, 0.2714)  
contains.

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# Color

**Yxy(55.6715, 0.3195, 0.2719)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDB2E8
RGB	237, 178, 232
RGB Percent	93%, 70%, 91%
CMY	0.0705, 0.3020, 0.0901
CMYK	0.00, 0.25, 0.02, 0.07
HSL	305°, 62%, 81%
HSV	305°, 25%, 93%
XYZ	65.4176, 55.6715, 83.6608
YIQ	201.7970, 17.8300, 29.3020

# Conversions

## Conversions Part 2

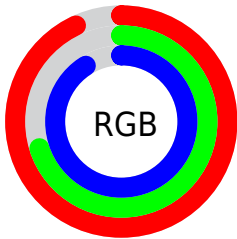
Format	Color
R <sub>Y</sub> B	237, 178, 232
Decimal	15577832
CIE Lab	79.43, 30.14, -18.65
CIE LCh	79, 35.442, 328.243
Yxy	55.6715, 0.3195, 0.2719
Android (android.graphics.Color)	4293767912 (0xFFEDB2E8)
YUV	201.7970, 14.8901, 30.8730
Hunter-Lab	74.6133, 25.9274, -14.2501

# Details

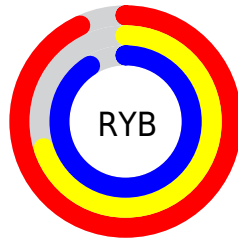
The Yxy color  $55.6715, 0.3195, 0.2719$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $73.4607, 0.3065, 0.3937$ , and the grayscale version is  $58.8292, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3256, 0.3137, 0.3088$ , and  $27.5051, 0.3204, 0.2593$  is the 20% darker color. If you saturate the color by 10%, you get  $46.9300, 0.3227, 0.2490$ , and if you desaturate by 10%, it is  $66.0486, 0.3166, 0.2952$ .

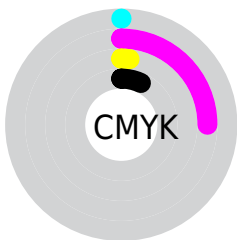
# Distribution



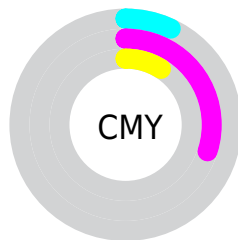
- Red (93%)
- Green (70%)
- Blue (91%)



- Red (93%)
- Yellow (70%)
- Blue (91%)



- Cyan (0%)
- Magenta (25%)
- Yellow (2%)
- Black (7%)




- Cyan (7%)
- Magenta (30%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6715, 0.3195, 0.2719 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 55.6715, 0.3195, 0.2719 by changing the saturation by 10% instead.





 55.6715, 0.3195,  
0.2719

 55.6715, 0.3195,  
0.2719

408.4523, 0.3168,  
0.2983

 39.9396, 0.3200,  
0.2659


 98.5241, 0.3186,  
0.2810

 27.4915, 0.3206,  
0.2585


126.4136, 0.3183,  
0.2846

 17.9427, 0.3212,  
0.2492


159.1245, 0.3180,  
0.2876

 10.9088, 0.3219,  
0.2372

197.0410, 0.3177,  
0.2903

 6.0056, 0.3226,  
0.2209

240.5477, 0.3174,  
0.2927

 2.8485, 0.3228,  
0.1979

290.0289, 0.3172,

 1.0531, 0.3217,

0.2947

0.1633

345.8690, 0.3170,  
0.2966

0.0000, 0.3487,  
0.0000

0.0000, 0.0000,  
0.0000

55.6715, 0.3195,  
0.2719

55.6715, 0.3195,  
0.2719

46.9300, 0.3227,  
0.2490

66.0486, 0.3166,  
0.2952

39.7330, 0.3261,  
0.2273

78.1316, 0.3139,  
0.3181

33.9917, 0.3295,  
0.2078

91.9959, 0.3115,  
0.3401

29.6052, 0.3330,  
0.1915

95.8211, 0.3101,  
0.3439

26.4599, 0.3364,  
0.1791

95.9409, 0.3090,  
0.3418

24.4237, 0.3395,  
0.1711

96.0620, 0.3079,  
0.3398

23.3343, 0.3424,  
0.1674

96.1845, 0.3067,  
0.3378

23.0160, 0.3438,  
0.1667

96.3082, 0.3056,  
0.3358

96.4333, 0.3045,  
0.3338

# Harmonies

## Analogous

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



55.6715, 0.2744, 0.2561



55.6715, 0.3195, 0.2719



55.6715, 0.3659, 0.3004

# Triad

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



55.6715, 0.3195, 0.2719



55.6715, 0.3857, 0.4026



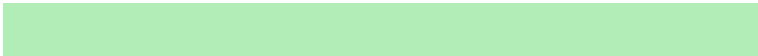
55.6715, 0.2339, 0.3118

# Complementary

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



55.6715, 0.3195, 0.2719



73.4607, 0.3065, 0.3937

# 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.



55.6715, 0.2597, 0.3581



55.6715, 0.3195, 0.2719



55.6715, 0.3469, 0.4136

# Square

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



55.6715, 0.3195, 0.2719



55.6715, 0.4053, 0.3733



55.6715, 0.3007, 0.3976



55.6715, 0.2278, 0.2755



# Rectangle

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



55.6715, 0.3195, 0.2719



55.6715, 0.3899, 0.3240



55.6715, 0.3007, 0.3976



55.6715, 0.2404, 0.3268

# Sweetspot

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



55.6739, 0.3195, 0.2719



89.0385, 0.3144, 0.3133



48.0109, 0.2735, 0.2589



18.8660, 0.3146, 0.3119



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.



55.6739, 0.3195, 0.2719



60.1105, 0.3211, 0.2599



54.1384, 0.3437, 0.3022



15.2905, 0.3151, 0.3077



12.5736, 0.3433, 0.1665



0.9938, 0.3399, 0.1646



# Inverse Universe

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



55.6739, 0.3195, 0.2719



60.1105, 0.3211, 0.2599



74.8173, 0.2896, 0.3576



15.2905, 0.3151, 0.3077



12.5736, 0.3433, 0.1665



0.9938, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 55.6715, 0.3195, 0.2719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

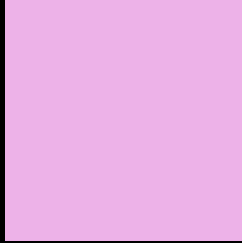
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.6715, 0.3195, 0.2719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

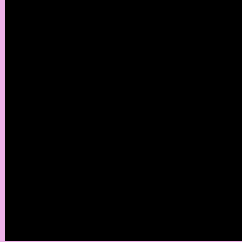
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.6715, 0.3195, 0.2719**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.6715, 0.3195, 0.2719.



This preview shows how white text looks on a background with the Yxy color 55.6715, 0.3195, 0.2719.

# 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

55.6715, 0.3195, 0.2719

### Protanopia

56.0010, 0.2729, 0.2725

### Deuteranopia

55.7739, 0.2931, 0.2864



## Tritanopia

55.5140, 0.3423, 0.3135

# Trichromacy



**Original Color**

55.6715, 0.3195, 0.2719

**Protanomaly**

55.6656, 0.2885, 0.2718

**Deuteranomaly**

55.5500, 0.3023, 0.2809

**Tritanomaly**

55.6015, 0.3343, 0.2984

# Monochromacy



**Original Color**

55.6715, 0.3195, 0.2719

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

57.3911, 0.3154, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6715, 0.3195, 0.2719 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(237, 178, 232)` looks like.

```
.text, #text, p{  
    color:rgb(237, 178, 232)  
}
```

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(237, 178, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 178, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6715, 0.3195, 0.2719 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(237, 178, 232) }
```

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

```
.border{ border-color:rgb(237, 178, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 178, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 178, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 178, 232);  
box-shadow:4px 4px 4px 4px rgb(237, 178,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6715, 0.3195, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 178, 232) }
```

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

```
.background{ background-color: rgb(237,  
178, 232) }
```

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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