

# Converting Colors

Yxy(55.2624, 0.3154, 0.2722)

Have a look what the booklet for  
Yxy(55.2624, 0.3154, 0.2722)  
contains.

<b>Yxy(55.2222, 0.3154, 0.2723)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.2222, 0.3154, 0.2723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8B3E8
RGB	232, 179, 232
RGB Percent	91%, 70%, 91%
CMY	0.0902, 0.2980, 0.0903
CMYK	0.00, 0.23, 0.00, 0.09
HSL	300°, 54%, 81%
HSV	300°, 23%, 91%
XYZ	63.9628, 55.2222, 83.6141
YIQ	200.8890, 14.5750, 27.7190

# Conversions

## Conversions Part 2

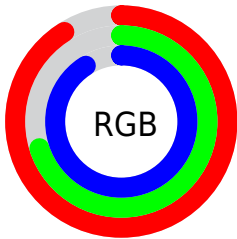
Format	Color
R <sub>Y</sub> B	232, 179, 232
Decimal	15250408
CIE Lab	79.17, 27.95, -19.06
CIE LCh	79, 33.831, 325.702
Yxy	55.2222, 0.3154, 0.2723
Android (android.graphics.Color)	4293440488 (0xFFE8B3E8)
YUV	200.8890, 15.3377, 27.2843
Hunter-Lab	74.3116, 23.5963, -14.6939

# Details

The Yxy color  $55.2222, 0.3154, 0.2723$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $70.5575, 0.3097, 0.3931$ , and the grayscale version is  $58.2341, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.8967, 0.3136, 0.3097$ , and  $27.2864, 0.3160, 0.2597$  is the 20% darker color. If you saturate the color by 10%, you get  $46.6929, 0.3166, 0.2476$ , and if you desaturate by 10%, it is  $65.3209, 0.3142, 0.2974$ .

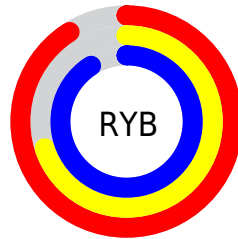
# Distribution



Red (91%)

Green (70%)

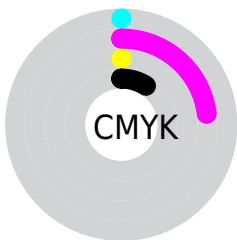
Blue (91%)



Red (91%)

Yellow (70%)

Blue (91%)

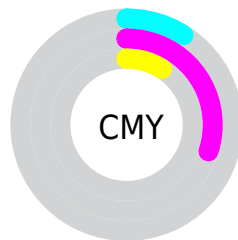


Cyan (0%)

Magenta (23%)

Yellow (0%)

Black (9%)



Cyan (9%)

Magenta (30%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2222, 0.3154, 0.2723 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 55.2222, 0.3154, 0.2723 by changing the saturation by 10% instead.





 55.2222, 0.3154,  
0.2723

 55.2222, 0.3154,  
0.2723


406.7537, 0.3146,  
0.2985

 39.5797, 0.3155,  
0.2663


 97.8664, 0.3152,  
0.2814

 27.2110, 0.3155,  
0.2590


125.6369, 0.3151,  
0.2849

 17.7317, 0.3154,  
0.2496


158.2188, 0.3150,  
0.2880

 10.7575, 0.3151,  
0.2375


195.9966, 0.3149,  
0.2906

 5.9040, 0.3144,  
0.2212

239.3545, 0.3149,  
0.2930

 2.7868, 0.3126,  
0.1980

288.6771, 0.3148,

 1.0215, 0.3081,

0.2950

0.1629

344.3487, 0.3147,  
0.2969

0.0000, 0.3210,  
0.0000

0.0000, 0.0000,  
0.0000

55.2222, 0.3154,  
0.2723

55.2222, 0.3154,  
0.2723

46.6929, 0.3166,  
0.2476

65.3209, 0.3142,  
0.2974

39.6475, 0.3177,  
0.2242


77.0545, 0.3130,  
0.3221


34.0034, 0.3187,  
0.2031


90.4936, 0.3119,  
0.3459

29.6671, 0.3195,  
0.1852

94.5047, 0.3116,  
0.3522

 26.5336, 0.3202,  
0.1713


 94.5055, 0.3116,  
0.3522

 24.4818, 0.3207,  
0.1616

 94.5062, 0.3116,  
0.3522

 23.3654, 0.3210,  
0.1562

 94.5069, 0.3116,  
0.3522

 22.9762, 0.3211,  
0.1542

 94.5076, 0.3116,  
0.3522

 94.5084, 0.3116,  
0.3521

# Harmonies

## Analogous

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



55.2222, 0.2728, 0.2583



55.2222, 0.3154, 0.2723



55.2222, 0.3602, 0.2990

# Triad

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



55.2222, 0.3154, 0.2723



55.2222, 0.3851, 0.3978



55.2222, 0.2385, 0.3163

# Complementary

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



55.2222, 0.3154, 0.2723



70.5575, 0.3097, 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.



55.2222, 0.2649, 0.3605



55.2222, 0.3154, 0.2723



55.2222, 0.3492, 0.4099

# Square

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



55.2222, 0.3154, 0.2723



55.2222, 0.4018, 0.3689



55.2222, 0.3051, 0.3967



55.2222, 0.2309, 0.2802



# Rectangle

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



55.2222, 0.3154, 0.2723



55.2222, 0.3841, 0.3214



55.2222, 0.3051, 0.3967



55.2222, 0.2453, 0.3308

# Sweetspot

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



55.2246, 0.3154, 0.2723



89.1346, 0.3135, 0.3118



47.6538, 0.2740, 0.2649



18.8883, 0.3136, 0.3103



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.



55.2246, 0.3154, 0.2723



63.6586, 0.3159, 0.2616



53.8320, 0.3368, 0.2997



14.6151, 0.3138, 0.3059



12.7548, 0.3211, 0.1542



0.9426, 0.3210, 0.1542



# Inverse Universe

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



55.2246, 0.3154, 0.2723



63.6586, 0.3159, 0.2616



71.7337, 0.2940, 0.3603



14.6151, 0.3138, 0.3059



12.7548, 0.3211, 0.1542



0.9426, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 55.2222, 0.3154, 0.2723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

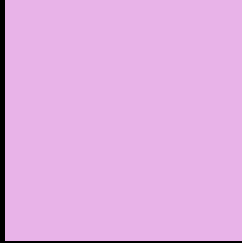
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2222, 0.3154, 0.2723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

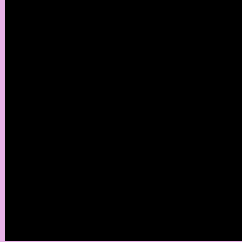
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.2222, 0.3154, 0.2723**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2222, 0.3154, 0.2723.



This preview shows how white text looks on a background with the Yxy color 55.2222, 0.3154, 0.2723.

# 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

55.2222, 0.3154, 0.2723

### Protanopia

55.3689, 0.2727, 0.2722

### Deuteranopia

55.5546, 0.2909, 0.2851



## Tritanopia

55.1523, 0.3371, 0.3133

# Trichromacy



## Original Color

55.2222, 0.3154, 0.2723



## Protanomaly

55.1837, 0.2870, 0.2724



## Deuteranomaly

55.1591, 0.2993, 0.2795



## Tritanomaly

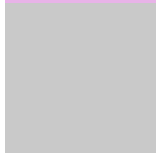
55.2281, 0.3292, 0.2980

# Monochromacy



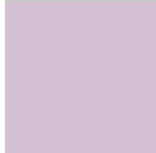
## Original Color

55.2222, 0.3154, 0.2723



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

56.8904, 0.3137, 0.3072

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2222, 0.3154, 0.2723 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(232, 179, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 179, 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(232, 179, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2222, 0.3154, 0.2723 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(232, 179, 232) }
```

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

```
.border{ border-color:rgb(232, 179, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 179, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2222, 0.3154, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 179, 232) }
```

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

```
.background{ background-color: rgb(232,  
179, 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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