

# Converting Colors

Yxy(53.3791, 0.3163, 0.2622)

Have a look what the booklet for  
Yxy(53.3791, 0.3163, 0.2622)  
contains.

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# Color

**Yxy(53.3361, 0.3167, 0.2625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECACEB
RGB	236, 172, 235
RGB Percent	93%, 67%, 92%
CMY	0.0744, 0.3255, 0.0784
CMYK	0.00, 0.27, 0.00, 0.07
HSL	301°, 63%, 80%
HSV	301°, 27%, 93%
XYZ	64.3487, 53.3361, 85.5003
YIQ	198.3180, 17.9210, 33.1610

# Conversions

## Conversions Part 2

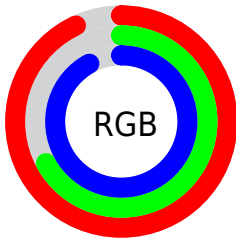
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 172, 235
Decimal	15510763
CIE Lab	78.07, 33.55, -22.32
CIE LCh	78, 40.299, 326.367
Yxy	53.3361, 0.3167, 0.2625
Android (android.graphics.Color)	4293700843 (0xFFECACEB)
YUV	198.3180, 18.0842, 33.0471
Hunter-Lab	73.0316, 29.4726, -18.2905

# Details

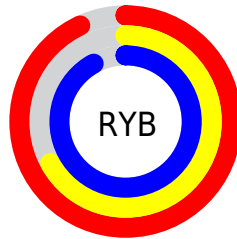
The Yxy color **53.3361, 0.3167, 0.2625** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.7999, 0.3084, 0.4059**, and the grayscale version is **56.5575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **26.0320, 0.3166, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **45.1164, 0.3182, 0.2385**, and if you desaturate by 10%, it is **63.1561, 0.3152, 0.2872**.

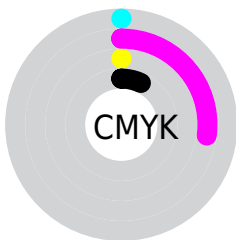
# Distribution



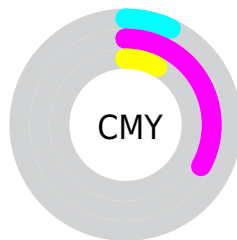
- Red (93%)
- Green (67%)
- Blue (92%)



- Red (93%)
- Yellow (67%)
- Blue (92%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3361, 0.3167, 0.2625 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 53.3361, 0.3167, 0.2625 by changing the saturation by 10% instead.





 53.3361, 0.3167,  
0.2625

 53.3361, 0.3167,  
0.2625


399.5733, 0.3155,  
0.2931

 38.0711, 0.3168,  
0.2556


 95.0988, 0.3164,  
0.2731

 26.0379, 0.3169,  
0.2470


122.3652, 0.3163,  
0.2772

 16.8520, 0.3168,  
0.2363


154.4010, 0.3161,  
0.2808

 10.1290, 0.3165,  
0.2224

191.5905, 0.3160,  
0.2839

 5.4846, 0.3156,  
0.2038

234.3181, 0.3158,  
0.2866

 2.5343, 0.3134,  
0.1778

282.9681, 0.3157,

 0.8938, 0.3076,

0.2890

0.1396

337.9251, 0.3156,  
0.2912

0.0000, 0.3094,  
0.0000

0.0000, 0.0000,  
0.0000

53.3361, 0.3167,  
0.2625

53.3361, 0.3167,  
0.2625

45.1164, 0.3182,  
0.2385

63.1561, 0.3152,  
0.2872

38.4054, 0.3197,  
0.2162


74.6475, 0.3137,  
0.3119

33.1134, 0.3211,  
0.1965

87.8858, 0.3123,  
0.3357

29.1380, 0.3224,  
0.1804


95.4461, 0.3115,  
0.3475


 26.3632, 0.3234,  
0.1684

 95.4684, 0.3113,  
0.3471


 24.6530, 0.3243,  
0.1607


 95.4908, 0.3111,  
0.3467

 23.8308, 0.3249,  
0.1571

 95.5132, 0.3109,  
0.3463

 23.6778, 0.3251,  
0.1564

 95.5356, 0.3107,  
0.3459

 95.5581, 0.3105,  
0.3455

# Harmonies

## Analogous

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



53.3361, 0.2657, 0.2456



53.3361, 0.3167, 0.2625



53.3361, 0.3709, 0.2938

# Triad

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



53.3361, 0.3167, 0.2625



53.3361, 0.3983, 0.4112



53.3361, 0.2239, 0.3116

# Complementary

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



53.3361, 0.3167, 0.2625



71.7999, 0.3084, 0.4059

# 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.



53.3361, 0.2542, 0.3659



53.3361, 0.3167, 0.2625



53.3361, 0.3545, 0.4271

# Square

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



53.3361, 0.3167, 0.2625



53.3361, 0.4197, 0.3760



53.3361, 0.3016, 0.4112



53.3361, 0.2158, 0.2691



# Rectangle

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



53.3361, 0.3167, 0.2625



53.3361, 0.3997, 0.3200



53.3361, 0.3016, 0.4112



53.3361, 0.2317, 0.3292

# Sweetspot

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



53.3384, 0.3167, 0.2625



87.6466, 0.3138, 0.3097



44.3288, 0.2655, 0.2509



18.2950, 0.3141, 0.3060



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.



53.3384, 0.3167, 0.2625



57.4618, 0.3176, 0.2480



51.7005, 0.3426, 0.2939



15.3093, 0.3140, 0.3062



13.0490, 0.3250, 0.1564



1.0260, 0.3244, 0.1561



# Inverse Universe

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



53.3384, 0.3167, 0.2625



57.4618, 0.3176, 0.2480



73.1420, 0.2907, 0.3671



15.3093, 0.3140, 0.3062



13.0490, 0.3250, 0.1564



1.0260, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 53.3361, 0.3167, 0.2625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

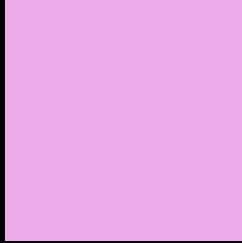
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3361, 0.3167, 0.2625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

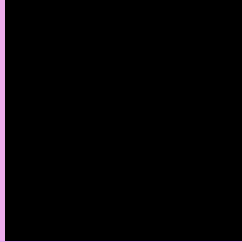
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3361, 0.3167, 0.2625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3361, 0.3167, 0.2625.



This preview shows how white text looks on a background with the Yxy color 53.3361, 0.3167, 0.2625.

# 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

53.3361, 0.3167, 0.2625

### Protanopia

53.6849, 0.2648, 0.2617

### Deuteranopia

53.5588, 0.2850, 0.2788



## Tritanopia

53.3606, 0.3446, 0.3133

# Trichromacy



## Original Color

53.3361, 0.3167, 0.2625



## Protanomaly

53.0920, 0.2819, 0.2613



## Deuteranomaly

53.3055, 0.2962, 0.2726



## Tritanomaly

53.2035, 0.3341, 0.2938

# Monochromacy



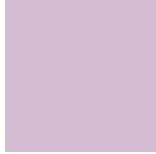
## Original Color

53.3361, 0.3167, 0.2625



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

55.0954, 0.3147, 0.3036

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3361, 0.3167, 0.2625 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(236, 172, 235)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 235)  
}
```

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(236, 172, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3361, 0.3167, 0.2625 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(236, 172, 235) }
```

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

```
.border{ border-color:rgb(236, 172, 235) }
```

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

Here you see how a box with a 4 pixel rgb(236, 172, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 235);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3361, 0.3167, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 235) }
```

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

```
.background{ background-color: rgb(236,  
172, 235) }
```

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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