

# Converting Colors

Yxy(53.1457, 0.3160, 0.2585)

Have a look what the booklet for  
Yxy(53.1457, 0.3160, 0.2585)  
contains.

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# Color

**Yxy(53.0996, 0.3161, 0.2579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAAAE
RGB	238, 170, 238
RGB Percent	93%, 67%, 93%
CMY	0.0664, 0.3334, 0.0667
CMYK	0.00, 0.29, 0.00, 0.07
HSL	300°, 67%, 80%
HSV	300°, 29%, 93%
XYZ	65.0825, 53.0996, 87.7101
YIQ	198.0840, 18.7000, 35.5640

# Conversions

## Conversions Part 2

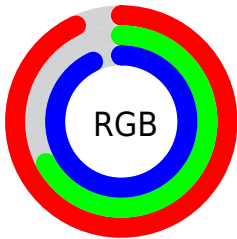
Format	Color
R <sub>Y</sub> B	238, 170, 238
Decimal	15641326
CIE Lab	77.93, 35.82, -24.14
CIE LCh	78, 43.189, 326.023
Yxy	53.0996, 0.3161, 0.2579
Android (android.graphics.Color)	4293831406 (0xFFEEAAEE)
YUV	198.0840, 19.6786, 35.0063
Hunter-Lab	72.8695, 31.9036, -20.3564

# Details

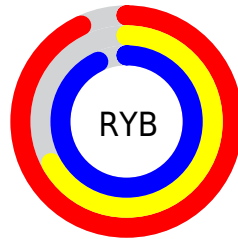
The Yxy color **53.0996, 0.3161, 0.2579** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.6321, 0.3088, 0.4121**, and the grayscale version is **56.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **25.9237, 0.3157, 0.2417** is the 20% darker color. If you saturate the color by 10%, you get **44.9704, 0.3173, 0.2338**, and if you desaturate by 10%, it is **62.8494, 0.3149, 0.2829**.

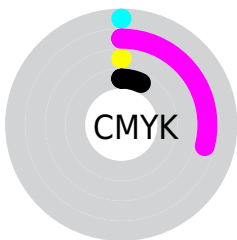
# Distribution



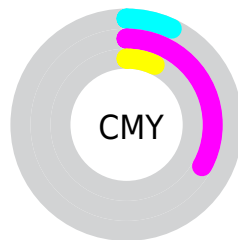
- Red (93%)
- Green (67%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0996, 0.3161, 0.2579 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 53.0996, 0.3161, 0.2579 by changing the saturation by 10% instead.





 53.0996, 0.3161,  
0.2579

 53.0996, 0.3161,  
0.2579

398.6671, 0.3153,  
0.2905

 37.8823, 0.3161,  
0.2506


 94.7509, 0.3160,  
0.2691

 25.8913, 0.3160,  
0.2415


121.9537, 0.3159,  
0.2735

 16.7424, 0.3157,  
0.2302


153.9204, 0.3158,  
0.2773

 10.0510, 0.3151,  
0.2157

191.0355, 0.3157,  
0.2806

 5.4328, 0.3137,  
0.1963

233.6833, 0.3156,  
0.2836

 2.5034, 0.3107,  
0.1694

282.2483, 0.3155,

 0.8783, 0.3034,

0.2861

0.1306

337.1147, 0.3154,  
0.2885

■ 0.0000, 0.3017,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.0996, 0.3161,  
0.2579

■ 53.0996, 0.3161,  
0.2579

■ 44.9704, 0.3173,  
0.2338

■ 62.8494, 0.3149,  
0.2829

■ 38.3675, 0.3183,  
0.2116


■ 74.2936, 0.3137,  
0.3079

■ 33.1978, 0.3193,  
0.1923

■ 87.5097, 0.3126,  
0.3324

■ 29.3550, 0.3200,  
0.1766

■ 95.8859, 0.3119,  
0.3458


 26.7181, 0.3206,  
0.1651


 95.8870, 0.3119,  
0.3458

 25.1443, 0.3209,  
0.1579


 95.8882, 0.3119,  
0.3458

 24.4251, 0.3211,  
0.1546

 95.8894, 0.3119,  
0.3458

 24.3526, 0.3211,  
0.1543

 95.8906, 0.3119,  
0.3457

 95.8918, 0.3119,  
0.3457

# Harmonies

## Analogous

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



53.0996, 0.2618, 0.2401



53.0996, 0.3161, 0.2579



53.0996, 0.3745, 0.2909

# Triad

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



53.0996, 0.3161, 0.2579



53.0996, 0.4045, 0.4163



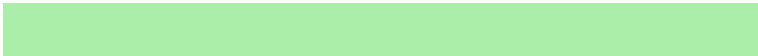
53.0996, 0.2182, 0.3106

# Complementary

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



53.0996, 0.3161, 0.2579



72.6321, 0.3088, 0.4121

# 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.



53.0996, 0.2505, 0.3693



53.0996, 0.3161, 0.2579



53.0996, 0.3576, 0.4344

# Square

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



53.0996, 0.3161, 0.2579



53.0996, 0.4275, 0.3780



53.0996, 0.3011, 0.4183



53.0996, 0.2095, 0.2650



# Rectangle

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



53.0996, 0.3161, 0.2579



53.0996, 0.4057, 0.3185



53.0996, 0.3011, 0.4183



53.0996, 0.2264, 0.3295

# Sweetspot

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



53.1019, 0.3161, 0.2579



86.2201, 0.3138, 0.3069



43.4610, 0.2625, 0.2459



18.0121, 0.3139, 0.3032



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.



53.1019, 0.3161, 0.2579



56.5914, 0.3167, 0.2444



51.2892, 0.3447, 0.2919



16.0312, 0.3138, 0.3058



13.5784, 0.3211, 0.1543



1.1297, 0.3211, 0.1543



# Inverse Universe

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



53.1019, 0.3161, 0.2579



56.5914, 0.3167, 0.2444



74.0890, 0.2896, 0.3695



16.0312, 0.3138, 0.3058



13.5784, 0.3211, 0.1543



1.1297, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 53.0996, 0.3161, 0.2579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

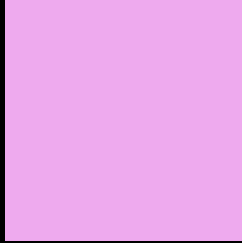
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0996, 0.3161, 0.2579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

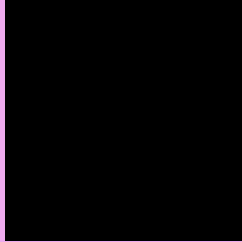
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0996, 0.3161, 0.2579**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0996, 0.3161, 0.2579.



This preview shows how white text looks on a background with the Yxy color 53.0996, 0.3161, 0.2579.

# 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

53.0996, 0.3161, 0.2579

### Protanopia

53.5836, 0.2606, 0.2573

### Deuteranopia

53.4121, 0.2822, 0.2764



## Tritanopia

53.2018, 0.3483, 0.3145

# Trichromacy



## Original Color

53.0996, 0.3161, 0.2579



## Protanomaly

52.7864, 0.2785, 0.2560



## Deuteranomaly

52.8640, 0.2940, 0.2692



## Tritanomaly

53.1465, 0.3359, 0.2929

# Monochromacy



## Original Color

53.0996, 0.3161, 0.2579



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.9167, 0.3141, 0.3003

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0996, 0.3161, 0.2579 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(238, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 238)  
}
```

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(238, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0996, 0.3161, 0.2579 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(238, 170, 238) }
```

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

```
.border{ border-color:rgb(238, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0996, 0.3161, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 238) }
```

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

```
.background{ background-color: rgb(238,  
170, 238) }
```

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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