

# Converting Colors

Yxy(47.7314, 0.3210, 0.2531)

Have a look what the booklet for  
Yxy(47.7314, 0.3210, 0.2531)  
contains.

<b>Yxy(47.7730, 0.3215, 0.2534)</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(47.7730, 0.3215, 0.2534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB9EE5
RGB	235, 158, 229
RGB Percent	92%, 62%, 90%
CMY	0.0787, 0.3802, 0.1020
CMYK	0.00, 0.33, 0.03, 0.08
HSL	305°, 66%, 77%
HSV	305°, 33%, 92%
XYZ	60.6118, 47.7730, 80.1433
YIQ	189.1170, 23.1010, 38.4050

# Conversions

## Conversions Part 2

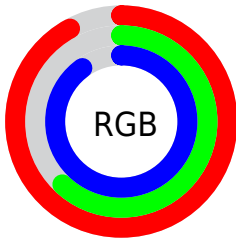
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 158, 229
Decimal	15441637
CIE <sub>Lab</sub>	74.68, 39.50, -24.23
CIE <sub>LCh</sub>	75, 46.342, 328.475
Yxy	47.7730, 0.3215, 0.2534
Android (android.graphics.Color)	4293631717 (0xFFEB9EE5)
YUV	189.1170, 19.6623, 40.2394
Hunter-Lab	69.1180, 35.5757, -20.3649

# Details

The Yxy color  $47.7730, 0.3215, 0.2534$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $69.3310, 0.3048, 0.4185$ , and the grayscale version is  $50.8358, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.5731, 0.3146, 0.2891$ , and  $22.5853, 0.3231, 0.2357$  is the 20% darker color. If you saturate the color by 10%, you get  $40.4084, 0.3246, 0.2312$ , and if you desaturate by 10%, it is  $56.6750, 0.3185, 0.2766$ .

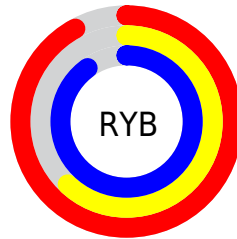
# Distribution



Red (92%)

Green (62%)

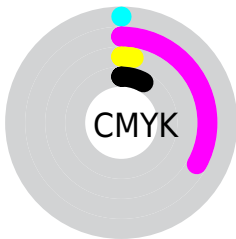
Blue (90%)



Red (92%)

Yellow (62%)

Blue (90%)

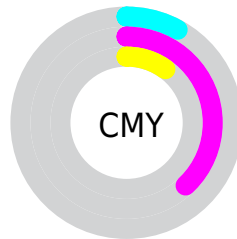


Cyan (0%)

Magenta (33%)

Yellow (3%)

Black (8%)



Cyan (8%)

Magenta (38%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7730, 0.3215, 0.2534 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 47.7730, 0.3215, 0.2534 by changing the saturation by 10% instead.




 47.7730, 0.3215,  
0.2534


 47.7730, 0.3215,  
0.2534


377.8916, 0.3181,  
0.2885

 33.6472, 0.3221,  
0.2454


 86.8663, 0.3205,  
0.2656

 22.6227, 0.3227,  
0.2355


 112.6026, 0.3200,  
0.2703

 14.3151, 0.3233,  
0.2230


142.9778, 0.3196,  
0.2744

 8.3402, 0.3237,  
0.2069

178.3763, 0.3193,  
0.2780

 4.3134, 0.3238,  
0.1852

219.1826, 0.3190,  
0.2811

 1.8504, 0.3224,  
0.1549

265.7810, 0.3187,

 0.5183, 0.3199,

0.2839

0.1024

318.5559, 0.3184,  
0.2863

0.0000, 0.2771,  
0.0000

0.0000, 0.0000,  
0.0000

47.7730, 0.3215,  
0.2534

47.7730, 0.3215,  
0.2534

40.4084, 0.3246,  
0.2312

56.6750, 0.3185,  
0.2766

34.4871, 0.3279,  
0.2111


67.1885, 0.3158,  
0.3000

29.9150, 0.3311,  
0.1939


79.3907, 0.3133,  
0.3229

26.5839, 0.3343,  
0.1805


93.3519, 0.3111,  
0.3448

 24.3693, 0.3372,  
0.1715

 95.3477, 0.3100,  
0.3459


 23.1203, 0.3399,  
0.1668

 95.4551, 0.3090,  
0.3441

 22.6478, 0.3417,  
0.1656

 95.5636, 0.3079,  
0.3422

 95.6732, 0.3069,  
0.3404

 95.7839, 0.3059,  
0.3386

# Harmonies

## Analogous

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



47.7730, 0.2606, 0.2325



47.7730, 0.3215, 0.2534



47.7730, 0.3861, 0.2903

# Triad

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



47.7730, 0.3215, 0.2534



47.7730, 0.4102, 0.4275



47.7730, 0.2069, 0.3029

# Complementary

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



47.7730, 0.3215, 0.2534



69.3310, 0.3048, 0.4185

# 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.



47.7730, 0.2398, 0.3684



47.7730, 0.3215, 0.2534



47.7730, 0.3566, 0.4467

# Square

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



47.7730, 0.3215, 0.2534



47.7730, 0.4391, 0.3857



47.7730, 0.2941, 0.4260



47.7730, 0.1999, 0.2548



# Rectangle

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



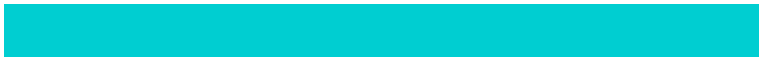
47.7730, 0.3215, 0.2534



47.7730, 0.4196, 0.3207



47.7730, 0.2941, 0.4260



47.7730, 0.2151, 0.3236

# Sweetspot

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



47.7751, 0.3215, 0.2534



84.6693, 0.3151, 0.3062



38.2668, 0.2578, 0.2329



17.6976, 0.3155, 0.3029



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.



47.7751, 0.3215, 0.2534



51.6206, 0.3235, 0.2389



45.8964, 0.3556, 0.2919



15.2925, 0.3150, 0.3076



12.6215, 0.3413, 0.1654



0.9971, 0.3382, 0.1637



# Inverse Universe

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



47.7751, 0.3215, 0.2534



51.6206, 0.3235, 0.2389



70.8970, 0.2837, 0.3697



15.2925, 0.3150, 0.3076



12.6215, 0.3413, 0.1654



0.9971, 0.3382, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 47.7730, 0.3215, 0.2534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

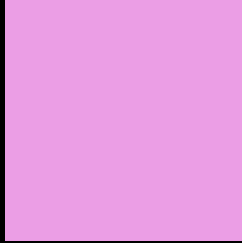
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7730, 0.3215, 0.2534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

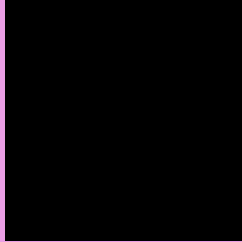
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7730, 0.3215, 0.2534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.7730, 0.3215, 0.2534.

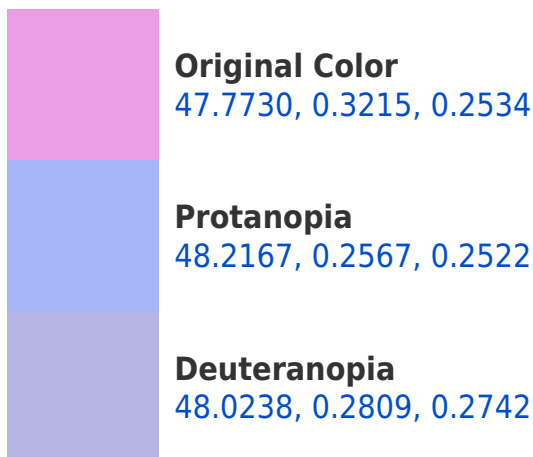


This preview shows how white text looks on a background with the Yxy color 47.7730, 0.3215, 0.2534.

# 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





## Tritanopia

47.9586, 0.3587, 0.3154

# Trichromacy



## Original Color

47.7730, 0.3215, 0.2534



## Protanomaly

47.2548, 0.2771, 0.2511



## Deuteranomaly

47.4135, 0.2948, 0.2659



## Tritanomaly

47.6171, 0.3447, 0.2909

# Monochromacy



## Original Color

47.7730, 0.3215, 0.2534



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.3222, 0.3159, 0.2980

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7730, 0.3215, 0.2534 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(235, 158, 229)` looks like.

```
.text, #text, p{  
    color:rgb(235, 158, 229)  
}
```

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(235, 158, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 158, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7730, 0.3215, 0.2534 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(235, 158, 229) }
```

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

```
.border{ border-color:rgb(235, 158, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 158, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 158, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 158, 229);  
box-shadow:4px 4px 4px 4px rgb(235, 158,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7730, 0.3215, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 158, 229) }
```

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

```
.background{ background-color: rgb(235,  
158, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor