

Converting Colors

$Yxy(49.8949, 0.3081, 0.2553)$

Have a look what the booklet for
Yxy(49.8949, 0.3081, 0.2553)
contains.

Yxy(49.8043, 0.3086, 0.2554)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8043, 0.3086, 0.2554)

Conversions

Conversions Part 1

Format	Color
Hex	E2A7EB
RGB	226, 167, 235
RGB Percent	89%, 65%, 92%
CMY	0.1137, 0.3451, 0.0785
CMYK	0.04, 0.29, 0.00, 0.08
HSL	292°, 63%, 79%
HSV	292°, 29%, 92%
XYZ	60.1786, 49.8043, 85.0222
YIQ	192.3930, 13.3360, 33.6560

Conversions

Conversions Part 2

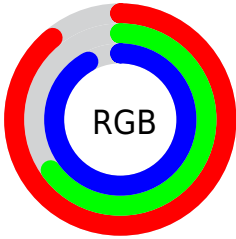
Format	Color
R _Y B	226, 167, 235
Decimal	14854123
CIE Lab	75.95, 33.01, -25.64
CIE LCh	76, 41.798, 322.165
Yxy	49.8043, 0.3086, 0.2554
Android (android.graphics.Color)	4293044203 (0xFFE2A7EB)
YUV	192.3930, 21.0053, 29.4733
Hunter-Lab	70.5722, 28.7099, -22.0295

Details

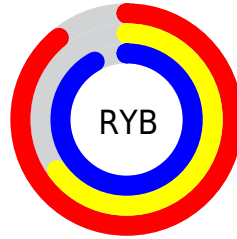
The Yxy color $49.8043, 0.3086, 0.2554$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.4212, 0.3146, 0.4117$, and the grayscale version is $52.8243, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $23.8353, 0.3067, 0.2379$ is the 20% darker color. If you saturate the color by 10%, you get $41.4683, 0.3065, 0.2298$, and if you desaturate by 10%, it is $59.7178, 0.3104, 0.2814$.

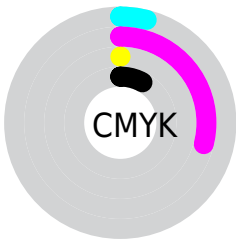
Distribution



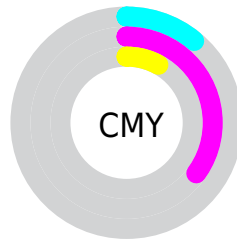
- Red (89%)
- Green (65%)
- Blue (92%)



- Red (89%)
- Yellow (65%)
- Blue (92%)



- Cyan (4%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)





- Cyan (11%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8043, 0.3086, 0.2554 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 49.8043, 0.3086, 0.2554 by changing the saturation by 10% instead.


 49.8043, 0.3086,
0.2554


 49.8043, 0.3086,
0.2554


385.9001, 0.3114,
0.2895

 35.2579, 0.3077,
0.2476


 89.8849, 0.3098,
0.2672

 23.8616, 0.3065,
0.2381


 116.1878, 0.3102,
0.2718

 15.2310, 0.3047,
0.2260


147.1784, 0.3105,
0.2758

 8.9817, 0.3021,
0.2104

183.2411, 0.3108,
0.2793

 4.7292, 0.2978,
0.1895

224.7602, 0.3110,
0.2823

 2.0893, 0.2903,
0.1603

272.1202, 0.3111,

 0.6586, 0.2763,

0.2850

0.1151

325.7053, 0.3113,
0.2874

0.0000, 0.2200,
0.0000

0.0000, 0.0000,
0.0000

49.8043, 0.3086,
0.2554

49.8043, 0.3086,
0.2554

41.4683, 0.3065,
0.2298

59.7178, 0.3104,
0.2814

34.6186, 0.3039,
0.2056

71.2807, 0.3118,
0.3070

29.1644, 0.3011,
0.1839

84.5684, 0.3128,
0.3316

25.0023, 0.2979,
0.1655

95.7652, 0.3139,
0.3489


 22.0148, 0.2946,
0.1514


 96.3074, 0.3159,
0.3488


 20.0625, 0.2911,
0.1417


 96.8590, 0.3178,
0.3487

 18.9345, 0.2877,
0.1361

 97.4199, 0.3198,
0.3486

 18.8329, 0.2873,
0.1356

 97.9901, 0.3217,
0.3485

 98.5698, 0.3237,
0.3484

Harmonies

Analogous

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



49.8043, 0.2565, 0.2401



49.8043, 0.3086, 0.2554



49.8043, 0.3668, 0.2864

Triad

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



49.8043, 0.3086, 0.2554



49.8043, 0.4081, 0.4113



49.8043, 0.2220, 0.3179

Complementary

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



49.8043, 0.3086, 0.2554



71.4212, 0.3146, 0.4117

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.



49.8043, 0.2568, 0.3762



49.8043, 0.3086, 0.2554



49.8043, 0.3640, 0.4326

Square

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



49.8043, 0.3086, 0.2554



49.8043, 0.4268, 0.3721



49.8043, 0.3085, 0.4213



49.8043, 0.2103, 0.2704

Rectangle

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



49.8043, 0.3086, 0.2554



49.8043, 0.3996, 0.3132



49.8043, 0.3085, 0.4213



49.8043, 0.2312, 0.3371

Sweetspot

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



49.8065, 0.3086, 0.2554



85.6518, 0.3117, 0.3067



45.2894, 0.2631, 0.2564



17.8710, 0.3116, 0.3030



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.



49.8065, 0.3086, 0.2554



53.4972, 0.3073, 0.2394



49.9529, 0.3370, 0.2820



15.2072, 0.3117, 0.3056



10.5238, 0.2879, 0.1360



0.8544, 0.2927, 0.1386

Inverse Universe

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



48.4303, 0.3683, 0.3190



51.6367, 0.3854, 0.3168



71.4231, 0.2945, 0.3814



15.0864, 0.3272, 0.3259



9.8952, 0.6228, 0.3204



0.7874, 0.5914, 0.3032

Previews

White Background



This preview shows how the Yxy color 49.8043, 0.3086, 0.2554 looks on a white background.

Color Contrast Check

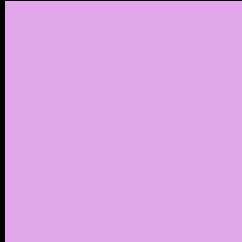
Large Text (above 18pt) WCAG AA × Fail

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 49.8043, 0.3086, 0.2554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

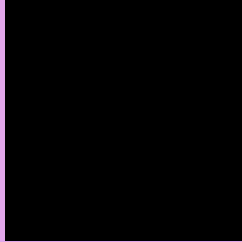
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8043, 0.3086, 0.2554

Background



This preview shows how black text looks on a background with the Yxy color 49.8043, 0.3086, 0.2554.



This preview shows how white text looks on a background with the Yxy color 49.8043, 0.3086, 0.2554.

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

49.8043, 0.3086, 0.2554

Protanopia

50.0213, 0.2587, 0.2543

Deuteranopia

50.1745, 0.2773, 0.2716



Tritanopia

49.9404, 0.3408, 0.3139

Trichromacy



Original Color

49.8043, 0.3086, 0.2554



Protanomaly

49.2590, 0.2748, 0.2538



Deuteranomaly

49.8661, 0.2883, 0.2654



Tritanomaly

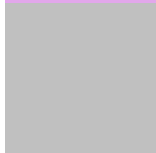
49.8730, 0.3284, 0.2914

Monochromacy



Original Color

49.8043, 0.3086, 0.2554



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.2584, 0.3108, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8043, 0.3086, 0.2554 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(226, 167, 235)` looks like.

```
.text, #text, p{  
    color:rgb(226, 167, 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(226, 167, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 167, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.8043, 0.3086, 0.2554 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(226, 167, 235) }
```

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

```
.border{ border-color:rgb(226, 167, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 167, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 167, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 167, 235);  
box-shadow:4px 4px 4px 4px rgb(226, 167,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8043, 0.3086, 0.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 167, 235) }
```

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

```
.background{ background-color: rgb(226,  
167, 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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