

Converting Colors

$Y_{xy}(49.7385, 0.2983, 0.2318)$

Have a look what the booklet for
Yxy(49.7385, 0.2983, 0.2318)
contains.

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Color

Yxy(49.8655, 0.2983, 0.2322)

Conversions

Conversions Part 1

Format	Color
Hex	E8A1FF
RGB	232, 161, 255
RGB Percent	91%, 63%, 100%
CMY	0.0903, 0.3685, 0.0001
CMYK	0.09, 0.37, 0.00, 0.00
HSL	285°, 100%, 82%
HSV	285°, 37%, 100%
XYZ	64.0606, 49.8655, 100.8262
YIQ	192.9450, 12.1420, 44.2860

Conversions

Conversions Part 2

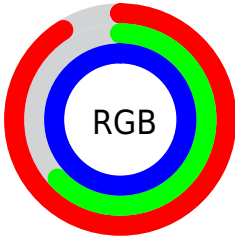
Format	Color
R_{YB}	232, 161, 255
Decimal	15245823
CIE _{Lab}	75.99, 41.89, -36.34
CIE _{LCh}	76, 55.457, 319.056
Yxy	49.8655, 0.2983, 0.2322
Android (android.graphics.Color)	4293435903 (0xFFE8A1FF)
YUV	192.9450, 30.5931, 34.2512
Hunter-Lab	70.6155, 38.3536, -35.2246

Details

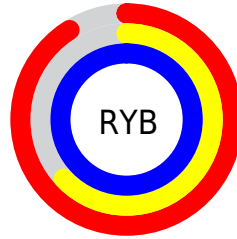
The Yxy color $49.8655, 0.2983, 0.2322$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.2655, 0.3211, 0.4367$, and the grayscale version is $53.1071, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $23.9163, 0.2930, 0.2108$ is the 20% darker color. If you saturate the color by 10%, you get $40.8188, 0.2928, 0.2059$, and if you desaturate by 10%, it is $60.7704, 0.3031, 0.2593$.

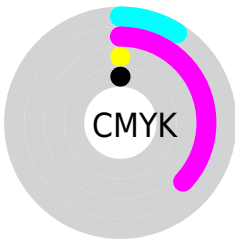
Distribution



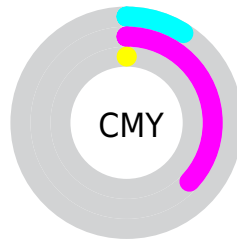
- Red (91%)
- Green (63%)
- Blue (100%)



- Red (91%)
- Yellow (63%)
- Blue (100%)



- Cyan (9%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8655, 0.2983, 0.2322 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 49.8655, 0.2983, 0.2322 by changing the saturation by 10% instead.


 49.8655, 0.2983,
0.2322

 49.8655, 0.2983,
0.2322


386.1397, 0.3066,
0.2760

 35.3065, 0.2960,
0.2226


 89.9756, 0.3015,
0.2471

 23.8991, 0.2930,
0.2109


 116.2955, 0.3026,
0.2530

 15.2588, 0.2890,
0.1964


147.3045, 0.3036,
0.2581

 9.0012, 0.2832,
0.1782

183.3869, 0.3044,
0.2626

 4.7420, 0.2746,
0.1547

224.9273, 0.3051,
0.2665

 2.0967, 0.2608,
0.1238

272.3100, 0.3057,

 0.6628, 0.2374,

0.2700

0.0811

325.9193, 0.3062,
0.2731

0.0000, 0.1923,
0.0000

0.0000, 0.0000,
0.0000

49.8655, 0.2983,
0.2322

49.8655, 0.2983,
0.2322

40.8188, 0.2928,
0.2059

60.7704, 0.3031,
0.2593

33.5123, 0.2868,
0.1814

73.6292, 0.3072,
0.2861

27.8246, 0.2803,
0.1599

88.5386, 0.3107,
0.3121

23.6153, 0.2736,
0.1425

99.9978, 0.3127,
0.3290

■ 20.7199, 0.2670,
0.1298

■ 18.9301, 0.2605,
0.1217

■ 18.4955, 0.2585,
0.1197

Harmonies

Analogous

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



49.8655, 0.2336, 0.2150



49.8655, 0.2983, 0.2322



49.8655, 0.3760, 0.2689

Triad

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



49.8655, 0.2983, 0.2322



49.8655, 0.4401, 0.4280



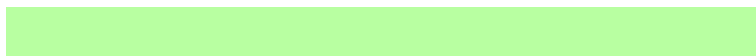
49.8655, 0.1986, 0.3198

Complementary

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



49.8655, 0.2983, 0.2322



84.2655, 0.3211, 0.4367

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.



49.8655, 0.2444, 0.4006



49.8655, 0.2983, 0.2322



49.8655, 0.3837, 0.4645

Square

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



49.8655, 0.2983, 0.2322



49.8655, 0.4630, 0.3745



49.8655, 0.3121, 0.4590



49.8655, 0.1821, 0.2556

Rectangle

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



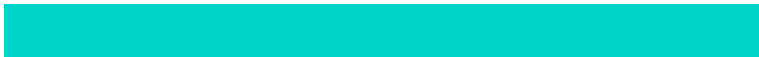
49.8655, 0.2983, 0.2322



49.8655, 0.4221, 0.3012



49.8655, 0.3121, 0.4590



49.8655, 0.2108, 0.3464

Sweetspot

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



49.8676, 0.2983, 0.2322



82.1116, 0.3093, 0.3014



49.2919, 0.2490, 0.2455



17.1415, 0.3089, 0.2979



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.



49.8676, 0.2983, 0.2322



43.2223, 0.2944, 0.2132



52.5496, 0.3364, 0.2582



18.0632, 0.3099, 0.3053



9.7405, 0.2595, 0.1203



0.9992, 0.2668, 0.1243

Inverse Universe

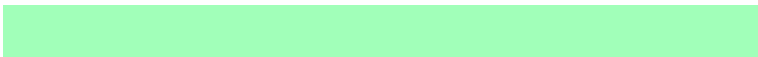
The Inverse Universe completely reimagines the original color for something new.



50.2147, 0.3805, 0.3051



43.7574, 0.4005, 0.3005



82.5600, 0.2955, 0.4125



18.0600, 0.3256, 0.3232



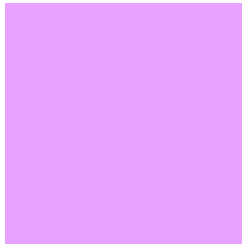
11.3126, 0.5952, 0.3052



1.1179, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 49.8655, 0.2983, 0.2322 looks on a white background.

Color Contrast Check

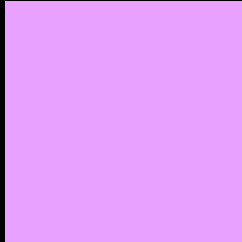
Large Text (above 18pt) WCAG AA × Fail

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 49.8655, 0.2983, 0.2322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

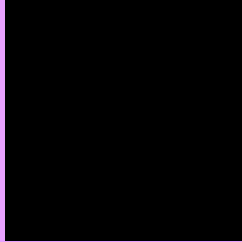
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8655, 0.2983, 0.2322

Background



This preview shows how black text looks on a background with the Yxy color 49.8655, 0.2983, 0.2322.



This preview shows how white text looks on a background with the Yxy color 49.8655, 0.2983, 0.2322.

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

49.8655, 0.2983, 0.2322

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.2580, 0.2582, 0.2524



Tritanopia

49.8204, 0.3437, 0.3140

Trichromacy



Original Color

49.8655, 0.2983, 0.2322



Protanomaly

49.2178, 0.2670, 0.2398



Deuteranomaly

49.4164, 0.2711, 0.2431

Tritanomaly

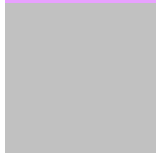
49.6717, 0.3272, 0.2820

Monochromacy



Original Color

49.8655, 0.2983, 0.2322



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.2710, 0.3072, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8655, 0.2983, 0.2322 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, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 161, 255)  
}
```

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, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.8655, 0.2983, 0.2322 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, 161, 255) }
```

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

```
.border{ border-color:rgb(232, 161, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8655, 0.2983, 0.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 161, 255) }
```

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

```
.background{ background-color: rgb(232,  
161, 255) }
```

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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