

Converting Colors

$Y_{xy}(60.0373, 0.2310, 0.1535)$

Have a look what the booklet for
Yxy(60.0373, 0.2310, 0.1535)
contains.

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Color

Yxy(49.5174, 0.2983, 0.2312)

Conversions

Conversions Part 1

Format	Color
Hex	E8A0FF
RGB	232, 160, 255
RGB Percent	91%, 63%, 100%
CMY	0.0903, 0.3725, 0.0001
CMYK	0.09, 0.37, 0.00, 0.00
HSL	285°, 100%, 81%
HSV	285°, 37%, 100%
XYZ	63.8886, 49.5174, 100.7696
YIQ	192.3580, 12.4170, 44.8090

Conversions

Conversions Part 2

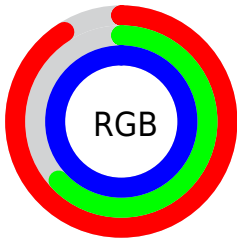
Format	Color
R _Y B	232, 160, 255
Decimal	15245567
CIE Lab	75.77, 42.42, -36.68
CIE LCh	76, 56.078, 319.155
Yxy	49.5174, 0.2983, 0.2312
Android (android.graphics.Color)	4293435647 (0xFFE8A0FF)
YUV	192.3580, 30.8825, 34.7660
Hunter-Lab	70.3686, 38.9175, -35.6468

Details

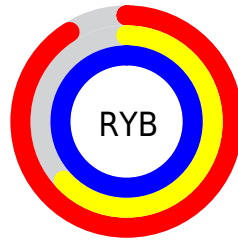
The Yxy color **49.5174, 0.2983, 0.2312** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.1071, 0.3210, 0.4381**, and the grayscale version is **52.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **23.7066, 0.2929, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **40.5508, 0.2929, 0.2050**, and if you desaturate by 10%, it is **60.3372, 0.3031, 0.2582**.

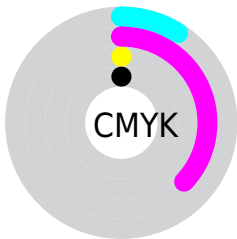
Distribution



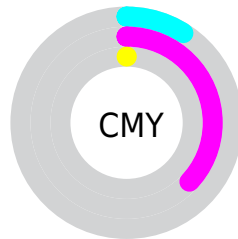
- Red (91%)
- Green (63%)
- Blue (100%)



- 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 49.5174, 0.2983, 0.2312 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 49.5174, 0.2983, 0.2312 by changing the saturation by 10% instead.


 49.5174, 0.2983,
0.2312


 49.5174, 0.2983,
0.2312


384.7757, 0.3066,
0.2754

 35.0301, 0.2960,
0.2215


 89.4594, 0.3015,
0.2463

 23.6861, 0.2930,
0.2097


 115.6829, 0.3027,
0.2522

 15.1009, 0.2889,
0.1951


146.5873, 0.3036,
0.2574

 8.8902, 0.2831,
0.1767

182.5569, 0.3044,
0.2619

 4.6697, 0.2743,
0.1530

223.9761, 0.3051,
0.2659

 2.0548, 0.2604,
0.1219

271.2294, 0.3057,

 0.6390, 0.2368,

0.2694

0.0786

324.7011, 0.3062,
0.2726

0.0000, 0.1901,
0.0000

0.0000, 0.0000,
0.0000

49.5174, 0.2983,
0.2312

49.5174, 0.2983,
0.2312

40.5508, 0.2929,
0.2050

60.3372, 0.3031,
0.2582

33.3191, 0.2869,
0.1806

73.1063, 0.3072,
0.2851

27.7002, 0.2805,
0.1594

87.9216, 0.3106,
0.3111

23.5531, 0.2739,
0.1422

99.9979, 0.3127,
0.3290

■ 20.7120, 0.2673,
0.1297

■ 18.9633, 0.2609,
0.1218

■ 18.5845, 0.2591,
0.1201

Harmonies

Analogous

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



49.5174, 0.2328, 0.2137



49.5174, 0.2983, 0.2312



49.5174, 0.3771, 0.2683

Triad

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



49.5174, 0.2983, 0.2312



49.5174, 0.4414, 0.4291



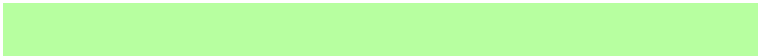
49.5174, 0.1971, 0.3193

Complementary

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



49.5174, 0.2983, 0.2312



84.1071, 0.3210, 0.4381

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.



49.5174, 0.2433, 0.4014



49.5174, 0.2983, 0.2312



49.5174, 0.3842, 0.4663

Square

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



49.5174, 0.2983, 0.2312



49.5174, 0.4650, 0.3750



49.5174, 0.3117, 0.4608



49.5174, 0.1806, 0.2544

Rectangle

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



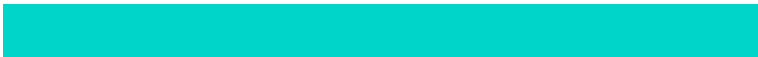
49.5174, 0.2983, 0.2312



49.5174, 0.4237, 0.3009



49.5174, 0.3117, 0.4608



49.5174, 0.2093, 0.3462

Sweetspot

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



49.5195, 0.2983, 0.2312



82.1252, 0.3094, 0.3015



48.8753, 0.2483, 0.2445



17.1448, 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.



49.5195, 0.2983, 0.2312



42.4146, 0.2941, 0.2107



52.1864, 0.3368, 0.2575



18.0658, 0.3099, 0.3053



9.7865, 0.2602, 0.1207



1.0033, 0.2674, 0.1247

Inverse Universe

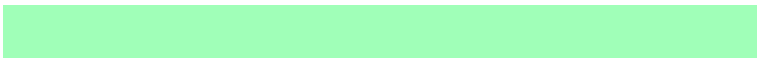
The Inverse Universe completely reimagines the original color for something new.



49.8233, 0.3818, 0.3051



42.9179, 0.4038, 0.3002



82.4256, 0.2954, 0.4135



18.0592, 0.3256, 0.3233



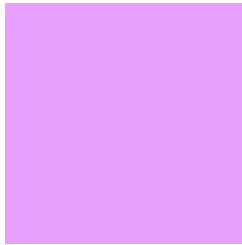
11.3086, 0.5960, 0.3057



1.1174, 0.5647, 0.2884

Previews

White Background



This preview shows how the Yxy color 49.5174, 0.2983, 0.2312 looks on a white background.

Color Contrast Check

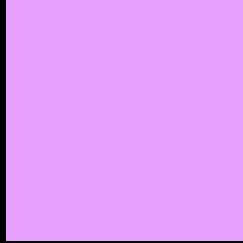
Large Text (above 18pt) WCAG AA × Fail

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 49.5174, 0.2983, 0.2312 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 49.5174, 0.2983, 0.2312

Background



This preview shows how black text looks on a background with the Yxy color 49.5174, 0.2983, 0.2312.



This preview shows how white text looks on a background with the Yxy color 49.5174, 0.2983, 0.2312.

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

49.5174, 0.2983, 0.2312

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.7292, 0.2574, 0.2511



Tritanopia

49.4325, 0.3439, 0.3128

Trichromacy



Original Color

49.5174, 0.2983, 0.2312



Protanomaly

49.2178, 0.2670, 0.2398



Deuteranomaly

49.0257, 0.2710, 0.2420

Tritanomaly

49.2982, 0.3273, 0.2809

Monochromacy



Original Color

49.5174, 0.2983, 0.2312



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.8142, 0.3080, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5174, 0.2983, 0.2312 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, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 160, 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, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.5174, 0.2983, 0.2312 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, 160, 255) }
```

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

```
.border{ border-color:rgb(232, 160, 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, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5174, 0.2983, 0.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 160, 255) }
```

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

```
.background{ background-color: rgb(232,  
160, 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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