

Converting Colors

$Y_{xy}(49.6598, 0.2956, 0.2324)$

Have a look what the booklet for
Yxy(49.6598, 0.2956, 0.2324)
contains.

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Color

Yxy(49.7187, 0.2959, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	E5A2FF
RGB	229, 162, 255
RGB Percent	90%, 64%, 100%
CMY	0.1020, 0.3646, 0.0001
CMYK	0.10, 0.36, 0.00, 0.00
HSL	283°, 100%, 82%
HSV	283°, 36%, 100%
XYZ	63.2764, 49.7187, 100.8488
YIQ	192.6350, 10.0790, 43.1270

Conversions

Conversions Part 2

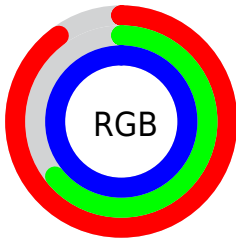
Format	Color
R _Y B	229, 162, 255
Decimal	15049471
CIE Lab	75.90, 40.48, -36.51
CIE LCh	76, 54.516, 317.952
Yxy	49.7187, 0.2959, 0.2325
Android (android.graphics.Color)	4293239551 (0xFFE5A2FF)
YUV	192.6350, 30.7459, 31.8921
Hunter-Lab	70.5115, 36.7893, -35.4412

Details

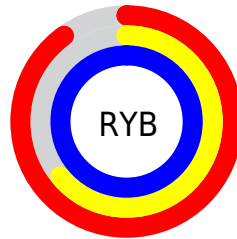
The Yxy color $49.7187, 0.2959, 0.2325$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.8066, 0.3231, 0.4348$, and the grayscale version is $52.9163, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $23.7852, 0.2898, 0.2109$ is the 20% darker color. If you saturate the color by 10%, you get $40.4804, 0.2895, 0.2056$, and if you desaturate by 10%, it is $60.8304, 0.3015, 0.2600$.

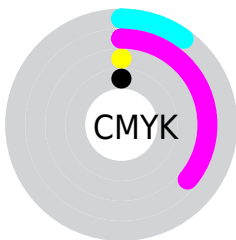
Distribution



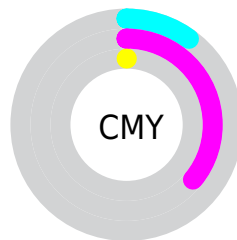
- Red (90%)
- Green (64%)
- Blue (100%)



- Red (90%)
- Yellow (64%)
- Blue (100%)



- Cyan (10%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7187, 0.2959, 0.2325 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 49.7187, 0.2959, 0.2325 by changing the saturation by 10% instead.


 49.7187, 0.2959,
0.2325

 49.7187, 0.2959,
0.2325


385.5649, 0.3053,
0.2762

 35.1899, 0.2934,
0.2229


 89.7580, 0.2995,
0.2474

 23.8092, 0.2901,
0.2112


 116.0372, 0.3008,
0.2533

 15.1922, 0.2856,
0.1967


147.0021, 0.3019,
0.2584

 8.9544, 0.2793,
0.1784

183.0371, 0.3028,
0.2628

 4.7114, 0.2700,
0.1548

224.5264, 0.3036,
0.2668

 2.0790, 0.2552,
0.1238

271.8546, 0.3042,

 0.6528, 0.2305,

0.2703

0.0807

325.4059, 0.3048,
0.2734

0.0000, 0.1807,
0.0000

0.0000, 0.0000,
0.0000

49.7187, 0.2959,
0.2325

49.7187, 0.2959,
0.2325

40.4804, 0.2895,
0.2056

60.8304, 0.3015,
0.2600

32.9980, 0.2825,
0.1804

73.9112, 0.3064,
0.2870

27.1501, 0.2751,
0.1581

89.0578, 0.3105,
0.3130

22.7971, 0.2674,
0.1398

99.9985, 0.3127,
0.3290

■ 19.7753, 0.2597,
0.1262

■ 17.8802, 0.2524,
0.1174

■ 17.3702, 0.2498,
0.1150

Harmonies

Analogous

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



49.7187, 0.2329, 0.2163



49.7187, 0.2959, 0.2325



49.7187, 0.3723, 0.2682

Triad

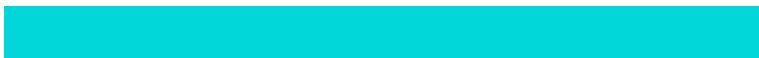
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.7187, 0.2959, 0.2325



49.7187, 0.4398, 0.4250



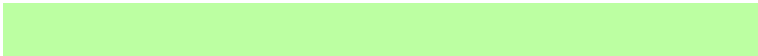
49.7187, 0.2014, 0.3229

Complementary

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



49.7187, 0.2959, 0.2325



84.8066, 0.3231, 0.4348

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.



49.7187, 0.2477, 0.4021



49.7187, 0.2959, 0.2325



49.7187, 0.3853, 0.4617

Square

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



49.7187, 0.2959, 0.2325



49.7187, 0.4607, 0.3721



49.7187, 0.3149, 0.4579



49.7187, 0.1839, 0.2587

Rectangle

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



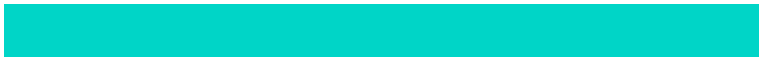
49.7187, 0.2959, 0.2325



49.7187, 0.4181, 0.2998



49.7187, 0.3149, 0.4579



49.7187, 0.2138, 0.3491

Sweetspot

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



49.7208, 0.2959, 0.2325



81.9336, 0.3087, 0.3014



51.0202, 0.2503, 0.2504



17.0990, 0.3081, 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.



49.7208, 0.2959, 0.2325



42.5931, 0.2912, 0.2121



53.0908, 0.3335, 0.2561



18.0302, 0.3093, 0.3053



9.1570, 0.2510, 0.1156



0.9464, 0.2592, 0.1202

Inverse Universe

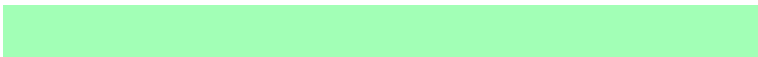
The Inverse Universe completely reimagines the original color for something new.



50.7334, 0.3764, 0.3020



43.9076, 0.3963, 0.2965



82.5721, 0.2973, 0.4152



18.0705, 0.3250, 0.3224



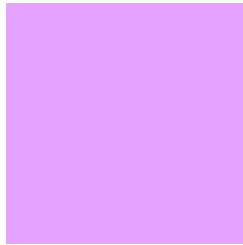
11.3702, 0.5839, 0.2990



1.1247, 0.5520, 0.2814

Previews

White Background



This preview shows how the Yxy color 49.7187, 0.2959, 0.2325 looks on a white background.

Color Contrast Check

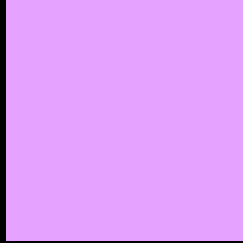
Large Text (above 18pt) WCAG AA × Fail

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 49.7187, 0.2959, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

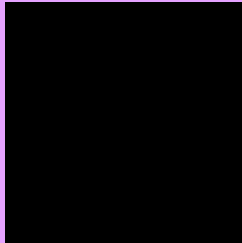
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7187, 0.2959, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 49.7187, 0.2959, 0.2325.



This preview shows how white text looks on a background with the Yxy color 49.7187, 0.2959, 0.2325.

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

49.7187, 0.2959, 0.2325

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.2090, 0.2570, 0.2513



Tritanopia

49.7849, 0.3400, 0.3139

Trichromacy



Original Color

49.7187, 0.2959, 0.2325



Protanomaly

49.4831, 0.2664, 0.2408



Deuteranomaly

49.5489, 0.2697, 0.2440

Tritanomaly

49.6179, 0.3236, 0.2817

Monochromacy



Original Color

49.7187, 0.2959, 0.2325



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.5356, 0.3064, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7187, 0.2959, 0.2325 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(229, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 162, 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(229, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.7187, 0.2959, 0.2325 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(229, 162, 255) }
```

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

```
.border{ border-color:rgb(229, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7187, 0.2959, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 162, 255) }
```

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

```
.background{ background-color: rgb(229,  
162, 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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