

Converting Colors

Yxy(63.8526, 0.2193, 0.1408)

Have a look what the booklet for
Yxy(63.8526, 0.2193, 0.1408)
contains.

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Color

Yxy(49.5327, 0.2967, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	E6A1FF
RGB	230, 161, 255
RGB Percent	90%, 63%, 100%
CMY	0.0980, 0.3686, 0.0000
CMYK	0.10, 0.37, 0.00, 0.00
HSL	284°, 100%, 82%
HSV	284°, 37%, 100%
XYZ	63.4284, 49.5327, 100.8184
YIQ	192.3470, 10.9500, 43.8620

Conversions

Conversions Part 2

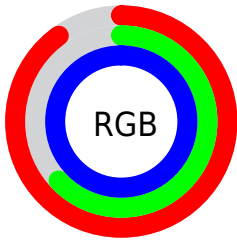
Format	Color
R _Y B	230, 161, 255
Decimal	15114751
CIE Lab	75.78, 41.33, -36.69
CIE LCh	76, 55.264, 318.400
Yxy	49.5327, 0.2967, 0.2317
Android (android.graphics.Color)	4293304831 (0xFFE6A1FF)
YUV	192.3470, 30.8879, 33.0217
Hunter-Lab	70.3795, 37.7062, -35.6671

Details

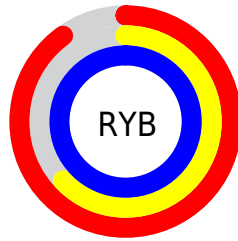
The Yxy color $49.5327, 0.2967, 0.2317$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.5261, 0.3223, 0.4364$, and the grayscale version is $52.7383, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $23.6866, 0.2908, 0.2101$ is the 20% darker color. If you saturate the color by 10%, you get $40.4130, 0.2907, 0.2051$, and if you desaturate by 10%, it is $60.5173, 0.3020, 0.2590$.

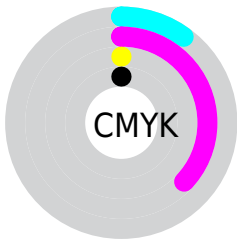
Distribution



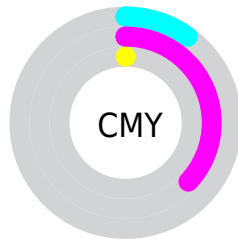
- Red (90%)
- Green (63%)
- Blue (100%)



- Red (90%)
- Yellow (63%)
- Blue (100%)



- Cyan (10%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5327, 0.2967, 0.2317 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 49.5327, 0.2967, 0.2317 by changing the saturation by 10% instead.

 49.5327, 0.2967,
0.2317


 49.5327, 0.2967,
0.2317


384.8357, 0.3058,
0.2757

 35.0422, 0.2942,
0.2220


 89.4821, 0.3002,
0.2467

 23.6954, 0.2910,
0.2102


 115.7099, 0.3014,
0.2526

 15.1078, 0.2867,
0.1956


146.6188, 0.3025,
0.2578

 8.8951, 0.2805,
0.1773

182.5934, 0.3033,
0.2623

 4.6728, 0.2713,
0.1536

224.0180, 0.3041,
0.2662

 2.0566, 0.2568,
0.1225

271.2770, 0.3047,

 0.6401, 0.2323,

0.2697

0.0791

324.7547, 0.3053,
0.2729

0.0000, 0.1831,
0.0000

0.0000, 0.0000,
0.0000

49.5327, 0.2967,
0.2317

49.5327, 0.2967,
0.2317

40.4130, 0.2907,
0.2051

60.5173, 0.3020,
0.2590

33.0403, 0.2840,
0.1802

73.4627, 0.3066,
0.2860

27.2927, 0.2770,
0.1583

88.4659, 0.3105,
0.3120

23.0299, 0.2697,
0.1405

99.9995, 0.3127,
0.3290

■ 20.0871, 0.2624,
0.1273

■ 18.2556, 0.2554,
0.1189

■ 17.8109, 0.2532,
0.1169

Harmonies

Analogous

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



49.5327, 0.2326, 0.2150



49.5327, 0.2967, 0.2317



49.5327, 0.3743, 0.2680

Triad

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



49.5327, 0.2967, 0.2317



49.5327, 0.4408, 0.4268



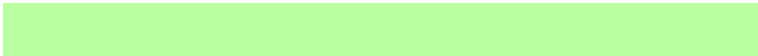
49.5327, 0.1995, 0.3215

Complementary

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



49.5327, 0.2967, 0.2317



84.5261, 0.3223, 0.4364

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.



49.5327, 0.2458, 0.4022



49.5327, 0.2967, 0.2317



49.5327, 0.3851, 0.4639

Square

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



49.5327, 0.2967, 0.2317



49.5327, 0.4629, 0.3732



49.5327, 0.3137, 0.4595



49.5327, 0.1823, 0.2568

Rectangle

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



49.5327, 0.2967, 0.2317



49.5327, 0.4206, 0.3001



49.5327, 0.3137, 0.4595



49.5327, 0.2118, 0.3481

Sweetspot

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



49.5348, 0.2967, 0.2317



82.0040, 0.3090, 0.3014



49.9430, 0.2493, 0.2474



17.1158, 0.3084, 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.



49.5348, 0.2967, 0.2317



42.8406, 0.2925, 0.2125



52.6362, 0.3351, 0.2567



18.0432, 0.3095, 0.3053



9.3839, 0.2543, 0.1175



0.9670, 0.2622, 0.1218

Inverse Universe

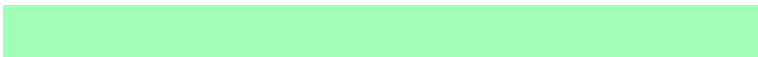
The Inverse Universe completely reimagines the original color for something new.



50.2941, 0.3786, 0.3030



43.8476, 0.3979, 0.2981



82.5088, 0.2963, 0.4144



18.0664, 0.3252, 0.3227



11.3464, 0.5885, 0.3016



1.1219, 0.5567, 0.2841

Previews

White Background



This preview shows how the Yxy color 49.5327, 0.2967, 0.2317 looks on a white background.

Color Contrast Check

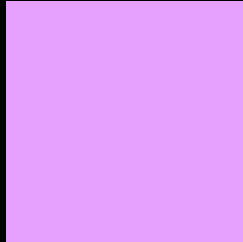
Large Text (above 18pt) WCAG AA × Fail

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 49.5327, 0.2967, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

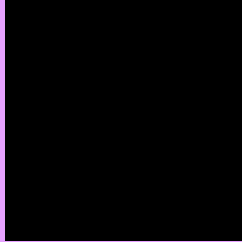
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5327, 0.2967, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 49.5327, 0.2967, 0.2317.



This preview shows how white text looks on a background with the Yxy color 49.5327, 0.2967, 0.2317.

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

49.5327, 0.2967, 0.2317

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.7921, 0.2568, 0.2501



Tritanopia

49.5064, 0.3419, 0.3139

Trichromacy



Original Color

49.5327, 0.2967, 0.2317



Protanomaly

49.0895, 0.2663, 0.2396



Deuteranomaly

49.2854, 0.2703, 0.2430

Tritanomaly

49.3502, 0.3254, 0.2817

Monochromacy



Original Color

49.5327, 0.2967, 0.2317



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.0759, 0.3071, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5327, 0.2967, 0.2317 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(230, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.5327, 0.2967, 0.2317 is called "border". The border property can be set on classes, ids or directly on the HTML element.

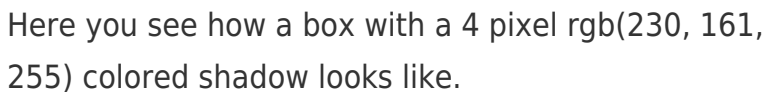
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 161, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 161, 255); box-shadow:4px 4px 4px 4px rgb(230, 161, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5327, 0.2967, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 161, 255) }
```

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

```
.background{ background-color: rgb(230,  
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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