

Converting Colors

$Y_{xy}(57.9702, 0.2713, 0.2133)$

Have a look what the booklet for
Yxy(57.9702, 0.2713, 0.2133)
contains.

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Color

Yxy(54.8689, 0.2976, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	E7AFFF
RGB	231, 175, 255
RGB Percent	91%, 69%, 100%
CMY	0.0942, 0.3136, 0.0001
CMYK	0.09, 0.31, 0.00, 0.00
HSL	282°, 100%, 84%
HSV	282°, 31%, 100%
XYZ	66.3241, 54.8689, 101.6702
YIQ	200.8640, 7.6960, 36.7520

Conversions

Conversions Part 2

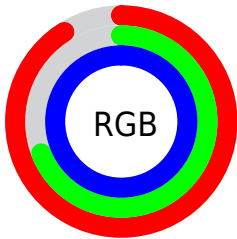
Format	Color
R _Y B	231, 175, 255
Decimal	15183871
CIE _{Lab}	78.97, 34.15, -31.75
CIE _{LCh}	79, 46.630, 317.089
Yxy	54.8689, 0.2976, 0.2462
Android (android.graphics.Color)	4293373951 (0xFFE7AFFF)
YUV	200.8640, 26.6890, 26.4293
Hunter-Lab	74.0735, 30.1969, -29.5274

Details

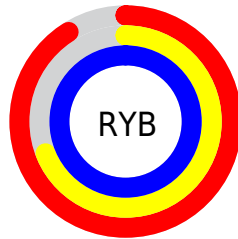
The Yxy color **54.8689, 0.2976, 0.2462** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.7350, 0.3230, 0.4179**, and the grayscale version is **58.1487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **26.9950, 0.2923, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **44.6193, 0.2911, 0.2186**, and if you desaturate by 10%, it is **67.0525, 0.3033, 0.2737**.

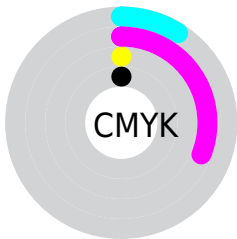
Distribution



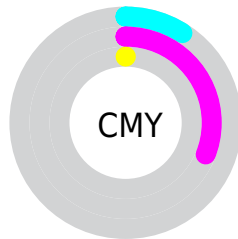
- Red (91%)
- Green (69%)
- Blue (100%)



- Red (91%)
- Yellow (69%)
- Blue (100%)



- Cyan (9%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8689, 0.2976, 0.2462 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 54.8689, 0.2976, 0.2462 by changing the saturation by 10% instead.


 54.8689, 0.2976,
0.2462

 54.8689, 0.2976,
0.2462

405.4148, 0.3058,
0.2837

 39.2968, 0.2955,
0.2379


 97.3488, 0.3006,
0.2590

 26.9907, 0.2927,
0.2278


125.0255, 0.3018,
0.2640

 17.5662, 0.2890,
0.2153


157.5057, 0.3027,
0.2684

 10.6390, 0.2839,
0.1994

195.1739, 0.3035,
0.2722

 5.8247, 0.2764,
0.1787

238.4145, 0.3042,
0.2756

 2.7388, 0.2646,
0.1509

287.6120, 0.3048,

 0.9969, 0.2446,

0.2786

0.1125

343.1506, 0.3053,
0.2812

0.0000, 0.2184,
0.0000

0.0000, 0.0000,
0.0000

54.8689, 0.2976,
0.2462

54.8689, 0.2976,
0.2462

44.6193, 0.2911,
0.2186

67.0525, 0.3033,
0.2737

36.1902, 0.2838,
0.1921

81.2611, 0.3082,
0.3004

29.4670, 0.2760,
0.1678

97.5884, 0.3122,
0.3257

24.3190, 0.2678,
0.1469

99.9976, 0.3127,
0.3290

■ 20.5959, 0.2595,
0.1304

■ 18.1172, 0.2515,
0.1188

■ 16.7376, 0.2448,
0.1122

Harmonies

Analogous

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



54.8689, 0.2445, 0.2330



54.8689, 0.2976, 0.2462



54.8689, 0.3607, 0.2767

Triad

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



54.8689, 0.2976, 0.2462



54.8689, 0.4208, 0.4106



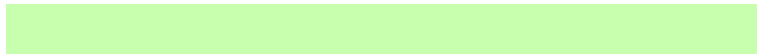
54.8689, 0.2199, 0.3270

Complementary

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



54.8689, 0.2976, 0.2462



86.7350, 0.3230, 0.4179

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.



54.8689, 0.2607, 0.3904



54.8689, 0.2976, 0.2462



54.8689, 0.3767, 0.4390

Square

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



54.8689, 0.2976, 0.2462



54.8689, 0.4358, 0.3664



54.8689, 0.3179, 0.4344



54.8689, 0.2034, 0.2726

Rectangle

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



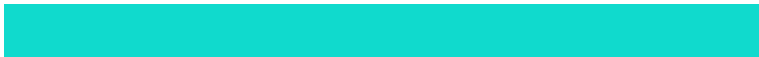
54.8689, 0.2976, 0.2462



54.8689, 0.3985, 0.3041



54.8689, 0.3179, 0.4344



54.8689, 0.2310, 0.3483

Sweetspot

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



54.8712, 0.2976, 0.2462



84.9387, 0.3092, 0.3065



57.7986, 0.2602, 0.2663



17.6944, 0.3085, 0.3028



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.



54.8712, 0.2976, 0.2462



47.8647, 0.2934, 0.2278



58.2308, 0.3278, 0.2639



18.0108, 0.3090, 0.3052



8.8301, 0.2461, 0.1129



0.9167, 0.2548, 0.1177

Inverse Universe

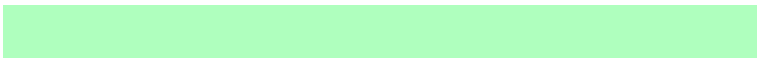
The Inverse Universe completely reimagines the original color for something new.



56.0452, 0.3629, 0.3042



49.3431, 0.3783, 0.2988



84.3161, 0.3007, 0.4044



18.0768, 0.3247, 0.3219



11.4080, 0.5769, 0.2951



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 54.8689, 0.2976, 0.2462 looks on a white background.

Color Contrast Check

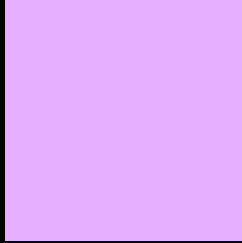
Large Text (above 18pt) WCAG AA × Fail

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 54.8689, 0.2976, 0.2462 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 54.8689, 0.2976, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 54.8689, 0.2976, 0.2462.

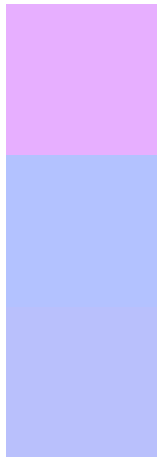


This preview shows how white text looks on a background with the Yxy color 54.8689, 0.2976, 0.2462.

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

54.8689, 0.2976, 0.2462

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.0418, 0.2672, 0.2606



Tritanopia

54.9759, 0.3327, 0.3131

Trichromacy



Original Color

54.8689, 0.2976, 0.2462



Protanomaly

54.7664, 0.2737, 0.2536



Deuteranomaly

54.7662, 0.2777, 0.2550

Tritanomaly

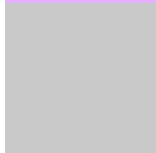
54.7920, 0.3196, 0.2871

Monochromacy



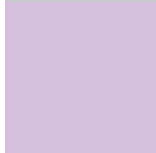
Original Color

54.8689, 0.2976, 0.2462



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.9168, 0.3072, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8689, 0.2976, 0.2462 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(231, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 175, 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(231, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8689, 0.2976, 0.2462 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(231, 175, 255) }
```

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

```
.border{ border-color:rgb(231, 175, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 175, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8689, 0.2976, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 175, 255) }
```

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

```
.background{ background-color: rgb(231,  
175, 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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