

Converting Colors

$Y_{xy}(52.6570, 0.2940, 0.2377)$

Have a look what the booklet for
Yxy(52.6570, 0.2940, 0.2377)
contains.

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Color

Yxy(52.6275, 0.2960, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	E5AAFF
RGB	229, 170, 255
RGB Percent	90%, 67%, 100%
CMY	0.1018, 0.3334, 0.0000
CMYK	0.10, 0.33, 0.00, 0.00
HSL	282°, 100%, 83%
HSV	282°, 33%, 100%
XYZ	64.7454, 52.6275, 101.3615
YIQ	197.3310, 7.8790, 38.9430

Conversions

Conversions Part 2

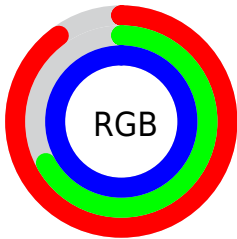
Format	Color
R _Y B	229, 170, 255
Decimal	15051519
CIE Lab	77.65, 36.26, -33.81
CIE LCh	78, 49.576, 316.999
Yxy	52.6275, 0.2960, 0.2406
Android (android.graphics.Color)	4293241599 (0xFFE5A AFF)
YUV	197.3310, 28.4308, 27.7737
Hunter-Lab	72.5448, 32.3557, -32.0602

Details

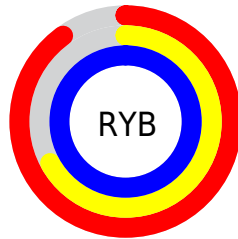
The Yxy color **52.6275, 0.2960, 0.2406** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.1527, 0.3238, 0.4242**, and the grayscale version is **55.8681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **25.5705, 0.2900, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **42.7253, 0.2892, 0.2131**, and if you desaturate by 10%, it is **64.4443, 0.3020, 0.2683**.

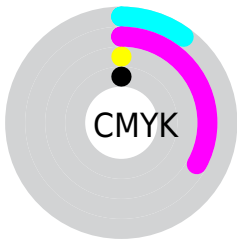
Distribution



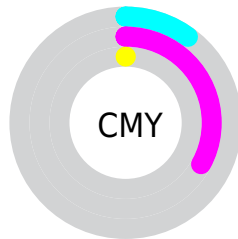
- Red (90%)
- Green (67%)
- Blue (100%)



- Red (90%)
- Yellow (67%)
- Blue (100%)



- Cyan (10%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6275, 0.2960, 0.2406 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 52.6275, 0.2960, 0.2406 by changing the saturation by 10% instead.


 52.6275, 0.2960,
0.2406

 52.6275, 0.2960,
0.2406


396.8543, 0.3051,
0.2806

 37.5055, 0.2936,
0.2317


 94.0560, 0.2994,
0.2543

 25.5991, 0.2905,
0.2210


121.1313, 0.3007,
0.2597

 16.5240, 0.2864,
0.2076


152.9598, 0.3017,
0.2643

 9.8957, 0.2806,
0.1907

189.9259, 0.3026,
0.2684

 5.3298, 0.2721,
0.1687

232.4140, 0.3034,
0.2720

 2.4421, 0.2588,
0.1394

280.8085, 0.3040,

 0.8474, 0.2361,

0.2752

0.0996

335.4939, 0.3046,
0.2781

0.0000, 0.1991,
0.0000

0.0000, 0.0000,
0.0000

52.6275, 0.2960,
0.2406

52.6275, 0.2960,
0.2406

42.7253, 0.2892,
0.2131

64.4443, 0.3020,
0.2683

34.6248, 0.2817,
0.1868

78.2709, 0.3071,
0.2952

28.2080, 0.2736,
0.1629

94.2013, 0.3114,
0.3208

23.3408, 0.2652,
0.1427

100.0000, 0.3127,
0.3290

■ 19.8679, 0.2568,
0.1271

■ 17.6005, 0.2487,
0.1164

■ 16.5782, 0.2435,
0.1115

Harmonies

Analogous

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



52.6275, 0.2394, 0.2266



52.6275, 0.2960, 0.2406



52.6275, 0.3641, 0.2729

Triad

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



52.6275, 0.2960, 0.2406



52.6275, 0.4286, 0.4156



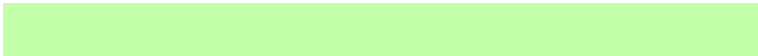
52.6275, 0.2133, 0.3265

Complementary

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



52.6275, 0.2960, 0.2406



86.1527, 0.3238, 0.4242

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.



52.6275, 0.2566, 0.3957



52.6275, 0.2960, 0.2406



52.6275, 0.3810, 0.4473

Square

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



52.6275, 0.2960, 0.2406



52.6275, 0.4452, 0.3680



52.6275, 0.3179, 0.4435



52.6275, 0.1960, 0.2681

Rectangle

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



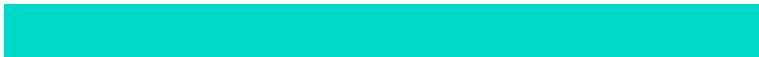
52.6275, 0.2960, 0.2406



52.6275, 0.4051, 0.3018



52.6275, 0.3179, 0.4435



52.6275, 0.2251, 0.3497

Sweetspot

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



52.6290, 0.2960, 0.2406



83.3480, 0.3087, 0.3039



55.6572, 0.2566, 0.2617



17.3760, 0.3080, 0.3003



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.



52.6290, 0.2960, 0.2406



45.8238, 0.2916, 0.2222



56.2629, 0.3290, 0.2597



18.0056, 0.3089, 0.3052



8.7446, 0.2448, 0.1122



0.9089, 0.2536, 0.1171

Inverse Universe

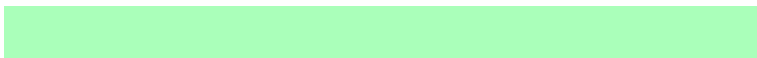
The Inverse Universe completely reimagines the original color for something new.



53.9901, 0.3669, 0.3021



47.5100, 0.3827, 0.2966



83.5923, 0.3000, 0.4100



18.0784, 0.3246, 0.3218



11.4187, 0.5749, 0.2941



1.1303, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 52.6275, 0.2960, 0.2406 looks on a white background.

Color Contrast Check

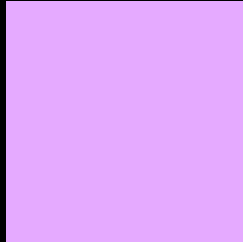
Large Text (above 18pt) WCAG AA × Fail

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 52.6275, 0.2960, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

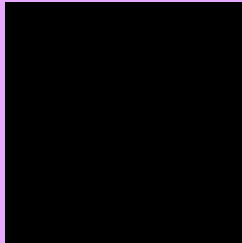
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6275, 0.2960, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 52.6275, 0.2960, 0.2406.



This preview shows how white text looks on a background with the Yxy color 52.6275, 0.2960, 0.2406.

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

52.6275, 0.2960, 0.2406

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

52.9439, 0.2634, 0.2573



Tritanopia

52.6571, 0.3340, 0.3129

Trichromacy



Original Color

52.6275, 0.2960, 0.2406



Protanomaly

52.4244, 0.2699, 0.2483



Deuteranomaly

52.3545, 0.2745, 0.2507

Tritanomaly

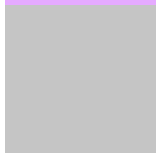
52.5385, 0.3198, 0.2854

Monochromacy



Original Color

52.6275, 0.2960, 0.2406



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

54.1579, 0.3071, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6275, 0.2960, 0.2406 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, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 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, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.6275, 0.2960, 0.2406 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, 170, 255) }
```

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

```
.border{ border-color:rgb(229, 170, 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, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6275, 0.2960, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 255) }
```

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

```
.background{ background-color: rgb(229,  
170, 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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