

Converting Colors

$Y_{xy}(46.2431, 0.2999, 0.2481)$

Have a look what the booklet for
Yxy(46.2431, 0.2999, 0.2481)
contains.

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Color

Yxy(46.2859, 0.2995, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	D7A2EB
RGB	215, 162, 235
RGB Percent	84%, 64%, 92%
CMY	0.1567, 0.3647, 0.0786
CMYK	0.08, 0.31, 0.00, 0.08
HSL	284°, 65%, 78%
HSV	284°, 31%, 92%
XYZ	55.9428, 46.2859, 84.5586
YIQ	186.1690, 8.1550, 33.9390

Conversions

Conversions Part 2

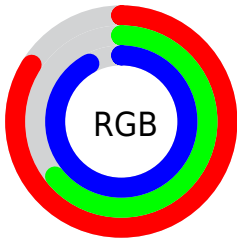
Format	Color
R _Y B	215, 162, 235
Decimal	14131947
CIE Lab	73.73, 32.25, -29.13
CIE LCh	74, 43.459, 317.916
Yxy	46.2859, 0.2995, 0.2478
Android (android.graphics.Color)	4292322027 (0xFFD7A2EB)
YUV	186.1690, 24.0737, 25.2848
Hunter-Lab	68.0337, 27.7180, -26.0675

Details

The Yxy color $46.2859, 0.2995, 0.2478$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.9446, 0.3216, 0.4169$, and the grayscale version is $49.0634, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $21.7775, 0.2943, 0.2288$ is the 20% darker color. If you saturate the color by 10%, you get $37.8159, 0.2937, 0.2207$, and if you desaturate by 10%, it is $56.3445, 0.3045, 0.2750$.

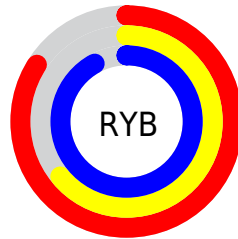
Distribution



Red (84%)

Green (64%)

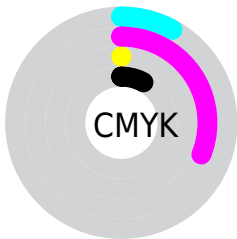
Blue (92%)



Red (84%)

Yellow (64%)

Blue (92%)

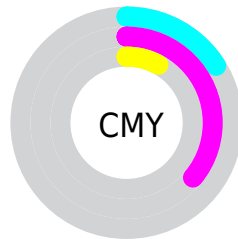


Cyan (8%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (16%)


Magenta (36%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2859, 0.2995, 0.2478 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 46.2859, 0.2995, 0.2478 by changing the saturation by 10% instead.


 46.2859, 0.2995,
0.2478


 46.2859, 0.2995,
0.2478

371.9569, 0.3069,
0.2857

 32.4715, 0.2975,
0.2391


 84.6467, 0.3023,
0.2610

 21.7219, 0.2948,
0.2284


 109.9619, 0.3034,
0.2661

 13.6527, 0.2911,
0.2149


139.8795, 0.3042,
0.2705

 7.8795, 0.2857,
0.1974

174.7838, 0.3049,
0.2744

 4.0179, 0.2775,
0.1740

215.0593, 0.3056,
0.2777

 1.6836, 0.2639,
0.1416

261.0904, 0.3061,

 0.4130, 0.2422,

0.2807

0.0815

313.2615, 0.3065,
0.2834

0.0000, 0.0884,
0.0000

0.0000, 0.0000,
0.0000

46.2859, 0.2995,
0.2478

46.2859, 0.2995,
0.2478

37.8159, 0.2937,
0.2207

56.3445, 0.3045,
0.2750

30.8419, 0.2873,
0.1946

68.0658, 0.3088,
0.3014

25.2706, 0.2802,
0.1707

81.5264, 0.3124,
0.3264

20.9956, 0.2729,
0.1502

96.1663, 0.3154,
0.3489

■ 17.8951, 0.2654,
0.1341

■ 97.3143, 0.3194,
0.3486

■ 15.8232, 0.2580,
0.1227

■ 98.5025, 0.3235,
0.3484

■ 14.6285, 0.2517,
0.1160

■ 98.7764, 0.3244,
0.3483

Harmonies

Analogous

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



46.2859, 0.2466, 0.2343



46.2859, 0.2995, 0.2478



46.2859, 0.3618, 0.2784

Triad

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



46.2859, 0.2995, 0.2478



46.2859, 0.4186, 0.4107



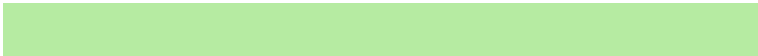
46.2859, 0.2203, 0.3254

Complementary

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



46.2859, 0.2995, 0.2478



71.9446, 0.3216, 0.4169

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.



46.2859, 0.2600, 0.3879



46.2859, 0.2995, 0.2478



46.2859, 0.3745, 0.4379

Square

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



46.2859, 0.2995, 0.2478



46.2859, 0.4342, 0.3674



46.2859, 0.3163, 0.4321



46.2859, 0.2046, 0.2722

Rectangle

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



46.2859, 0.2995, 0.2478



46.2859, 0.3987, 0.3056



46.2859, 0.3163, 0.4321



46.2859, 0.2311, 0.3463

Sweetspot

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



46.2879, 0.2995, 0.2478



85.0515, 0.3096, 0.3066



47.4095, 0.2606, 0.2642



17.7223, 0.3090, 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.



46.2879, 0.2995, 0.2478



49.2820, 0.2961, 0.2312



48.6194, 0.3296, 0.2672



15.0949, 0.3094, 0.3055



8.2102, 0.2528, 0.1166



0.6919, 0.2626, 0.1220

Inverse Universe

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



46.8713, 0.3639, 0.3067



50.1910, 0.3783, 0.3022



70.2866, 0.2994, 0.4000



15.1217, 0.3250, 0.3226



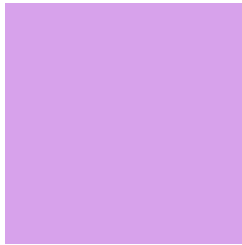
10.0555, 0.5851, 0.2997



0.8053, 0.5458, 0.2780

Previews

White Background



This preview shows how the Yxy color 46.2859, 0.2995, 0.2478 looks on a white background.

Color Contrast Check

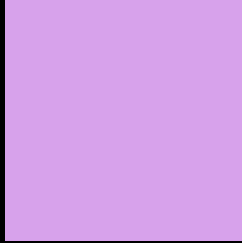
Large Text (above 18pt) WCAG AA × Fail

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 46.2859, 0.2995, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

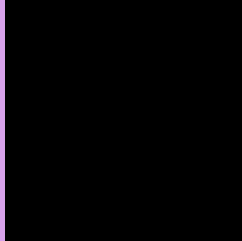
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2859, 0.2995, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 46.2859, 0.2995, 0.2478.



This preview shows how white text looks on a background with the Yxy color 46.2859, 0.2995, 0.2478.

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

46.2859, 0.2995, 0.2478

Protanopia

46.5946, 0.2519, 0.2457

Deuteranopia

46.4376, 0.2688, 0.2627



Tritanopia

46.4177, 0.3342, 0.3132

Trichromacy



Original Color

46.2859, 0.2995, 0.2478

Protanomaly

46.1820, 0.2677, 0.2464

Deuteranomaly

46.0796, 0.2795, 0.2565

Tritanomaly

46.1659, 0.3218, 0.2876

Monochromacy



Original Color

46.2859, 0.2995, 0.2478

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.6742, 0.3083, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2859, 0.2995, 0.2478 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(215, 162, 235)` looks like.

```
.text, #text, p{  
    color:rgb(215, 162, 235)  
}
```

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(215, 162, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 162, 235) }
```

Border

The CSS property to change the border of an element to Yxy 46.2859, 0.2995, 0.2478 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(215, 162, 235) }
```

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

```
.border{ border-color:rgb(215, 162, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 162, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 162, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 162, 235);  
box-shadow:4px 4px 4px 4px rgb(215, 162,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2859, 0.2995, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 162, 235) }
```

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

```
.background{ background-color: rgb(215,  
162, 235) }
```

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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