

Converting Colors

$Y_{xy}(49.8367, 0.2976, 0.2450)$

Have a look what the booklet for
Yxy(49.8367, 0.2976, 0.2450)
contains.

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Color

Yxy(49.7596, 0.2977, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	DEA7F5
RGB	222, 167, 245
RGB Percent	87%, 65%, 96%
CMY	0.1292, 0.3452, 0.0391
CMYK	0.09, 0.32, 0.00, 0.04
HSL	282°, 80%, 81%
HSV	282°, 32%, 96%
XYZ	60.4383, 49.7596, 92.8196
YIQ	192.3370, 7.7420, 35.9180

Conversions

Conversions Part 2

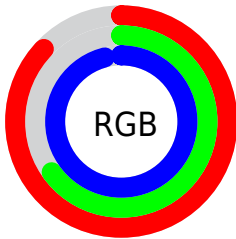
Format	Color
R _Y B	222, 167, 245
Decimal	14591989
CIE Lab	75.92, 33.75, -31.15
CIE LCh	76, 45.927, 317.290
Yxy	49.7596, 0.2977, 0.2451
Android (android.graphics.Color)	4292782069 (0xFFDEA7F5)
YUV	192.3370, 25.9629, 26.0145
Hunter-Lab	70.5405, 29.4910, -28.6375

Details

The Yxy color $49.7596, 0.2977, 0.2451$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $79.0454, 0.3228, 0.4193$, and the grayscale version is $52.7644, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $23.7725, 0.2932, 0.2261$ is the 20% darker color. If you saturate the color by 10%, you get $40.5055, 0.2913, 0.2177$, and if you desaturate by 10%, it is $60.7671, 0.3033, 0.2726$.

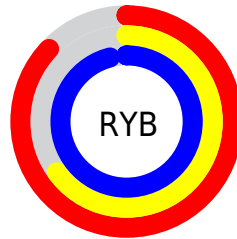
Distribution



Red (87%)

Green (65%)

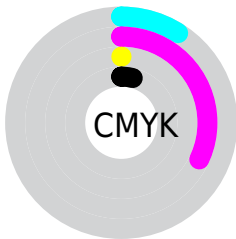
Blue (96%)



Red (87%)

Yellow (65%)

Blue (96%)

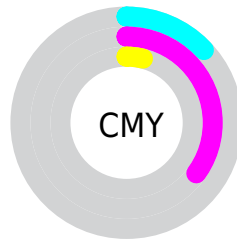


Cyan (9%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (13%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7596, 0.2977, 0.2451 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 49.7596, 0.2977, 0.2451 by changing the saturation by 10% instead.

 49.7596, 0.2977,
0.2451

 49.7596, 0.2977,
0.2451


385.7251, 0.3060,
0.2837

 35.2224, 0.2955,
0.2364


 89.8186, 0.3008,
0.2584

 23.8343, 0.2926,
0.2258


 116.1092, 0.3020,
0.2636

 15.2107, 0.2887,
0.2125


147.0864, 0.3029,
0.2681

 8.9674, 0.2832,
0.1955

183.1346, 0.3037,
0.2720

 4.7199, 0.2749,
0.1730

224.6381, 0.3044,
0.2754

 2.0839, 0.2616,
0.1425

271.9815, 0.3050,

 0.6555, 0.2386,

0.2785

0.0976

325.5490, 0.3055,
0.2812

0.0000, 0.1734,
0.0000

0.0000, 0.0000,
0.0000

49.7596, 0.2977,
0.2451

49.7596, 0.2977,
0.2451

40.5055, 0.2913,
0.2177

60.7671, 0.3033,
0.2726

32.9017, 0.2842,
0.1913

73.6110, 0.3081,
0.2992

26.8436, 0.2765,
0.1673

88.3766, 0.3121,
0.3245

22.2120, 0.2685,
0.1467

98.6034, 0.3159,
0.3386

■ 18.8697, 0.2604,
0.1305

■ 99.3737, 0.3185,
0.3386

■ 16.6519, 0.2525,
0.1192

■ 15.4684, 0.2464,
0.1131

Harmonies

Analogous

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



49.7596, 0.2437, 0.2316



49.7596, 0.2977, 0.2451



49.7596, 0.3619, 0.2761

Triad

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



49.7596, 0.2977, 0.2451



49.7596, 0.4224, 0.4120



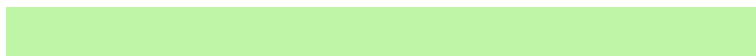
49.7596, 0.2182, 0.3264

Complementary

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



49.7596, 0.2977, 0.2451



79.0454, 0.3228, 0.4193

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.



49.7596, 0.2594, 0.3911



49.7596, 0.2977, 0.2451



49.7596, 0.3773, 0.4410

Square

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



49.7596, 0.2977, 0.2451



49.7596, 0.4379, 0.3672



49.7596, 0.3174, 0.4362



49.7596, 0.2017, 0.2713

Rectangle

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



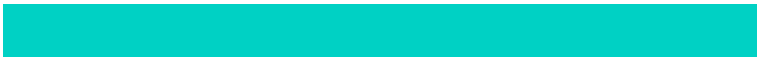
49.7596, 0.2977, 0.2451



49.7596, 0.4004, 0.3039



49.7596, 0.3174, 0.4362



49.7596, 0.2294, 0.3482

Sweetspot

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



49.7617, 0.2977, 0.2451



83.4002, 0.3088, 0.3040



51.8036, 0.2592, 0.2637



17.3887, 0.3082, 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.



49.7617, 0.2977, 0.2451



47.9551, 0.2938, 0.2280



52.7259, 0.3291, 0.2642



16.5092, 0.3091, 0.3053



8.4065, 0.2476, 0.1138



0.7916, 0.2570, 0.1190

Inverse Universe

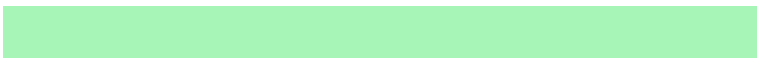
The Inverse Universe completely reimagines the original color for something new.



50.7610, 0.3643, 0.3043



49.3192, 0.3788, 0.2993



76.9312, 0.2998, 0.4040



16.5627, 0.3247, 0.3221



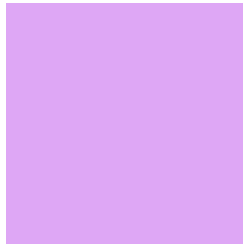
10.7316, 0.5784, 0.2960



0.9604, 0.5430, 0.2765

Previews

White Background



This preview shows how the Yxy color 49.7596, 0.2977, 0.2451 looks on a white background.

Color Contrast Check

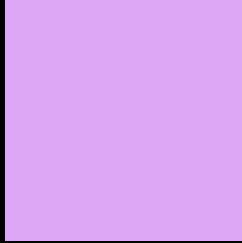
Large Text (above 18pt) WCAG AA × Fail

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 49.7596, 0.2977, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

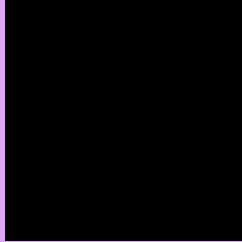
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7596, 0.2977, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 49.7596, 0.2977, 0.2451.



This preview shows how white text looks on a background with the Yxy color 49.7596, 0.2977, 0.2451.

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

49.7596, 0.2977, 0.2451

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.0389, 0.2668, 0.2602



Tritanopia

49.8985, 0.3335, 0.3137

Trichromacy



Original Color

49.7596, 0.2977, 0.2451



Protanomaly

49.3706, 0.2676, 0.2454



Deuteranomaly

49.6493, 0.2770, 0.2543



Tritanomaly

49.7270, 0.3199, 0.2865

Monochromacy



Original Color

49.7596, 0.2977, 0.2451



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.2666, 0.3077, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7596, 0.2977, 0.2451 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(222, 167, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 167, 245)  
}
```

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(222, 167, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 167, 245) }
```

Border

The CSS property to change the border of an element to Yxy 49.7596, 0.2977, 0.2451 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(222, 167, 245) }
```

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

```
.border{ border-color:rgb(222, 167, 245) }
```

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

Here you see how a box with a 4 pixel rgb(222, 167, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 167, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 167, 245);  
box-shadow:4px 4px 4px 4px rgb(222, 167,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7596, 0.2977, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 167, 245) }
```

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

```
.background{ background-color: rgb(222,  
167, 245) }
```

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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