

Converting Colors

$Y_{xy}(50.4592, 0.2992, 0.2538)$

Have a look what the booklet for
Yxy(50.4592, 0.2992, 0.2538)
contains.

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Color

Yxy(50.4772, 0.2990, 0.2536)

Conversions

Conversions Part 1

Format	Color
Hex	DBABF0
RGB	219, 171, 240
RGB Percent	86%, 67%, 94%
CMY	0.1410, 0.3295, 0.0588
CMYK	0.09, 0.29, 0.00, 0.06
HSL	282°, 70%, 81%
HSV	282°, 29%, 94%
XYZ	59.5137, 50.4772, 89.0517
YIQ	193.2180, 6.4590, 31.6350

Conversions

Conversions Part 2

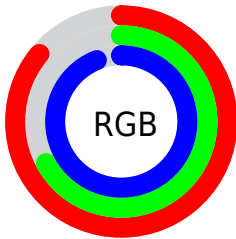
Format	Color
R _Y B	219, 171, 240
Decimal	14396400
CIE Lab	76.36, 29.65, -27.79
CIE LCh	76, 40.637, 316.850
Yxy	50.4772, 0.2990, 0.2536
Android (android.graphics.Color)	4292586480 (0xFFDBABF0)
YUV	193.2180, 23.0635, 22.6108
Hunter-Lab	71.0473, 25.1901, -24.5818

Details

The Yxy color $50.4772, 0.2990, 0.2536$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76.4674, 0.3225, 0.4093$, and the grayscale version is $53.3250, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $24.2041, 0.2939, 0.2353$ is the 20% darker color. If you saturate the color by 10%, you get $41.1147, 0.2926, 0.2260$, and if you desaturate by 10%, it is $61.5397, 0.3045, 0.2809$.

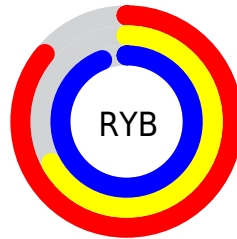
Distribution



Red (86%)

Green (67%)

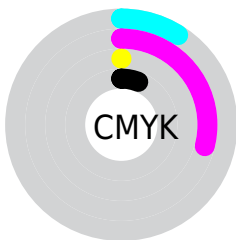
Blue (94%)



Red (86%)

Yellow (67%)

Blue (94%)

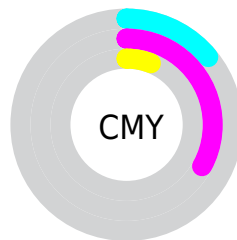


Cyan (9%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (14%)


Magenta (33%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4772, 0.2990, 0.2536 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 50.4772, 0.2990, 0.2536 by changing the saturation by 10% instead.


 50.4772, 0.2990,
0.2536

 50.4772, 0.2990,
0.2536


388.5292, 0.3064,
0.2885

 35.7927, 0.2970,
0.2457


 90.8815, 0.3018,
0.2657

 24.2741, 0.2945,
0.2359


117.3701, 0.3028,
0.2704

 15.5371, 0.2910,
0.2237


148.5623, 0.3037,
0.2745

 9.1972, 0.2860,
0.2078

184.8423, 0.3044,
0.2780

 4.8700, 0.2786,
0.1867

226.5946, 0.3050,
0.2811

 2.1712, 0.2666,
0.1573

274.2036, 0.3056,

 0.7042, 0.2455,

0.2839

0.1136

328.0536, 0.3060,
0.2863

0.0000, 0.1746,
0.0000

0.0000, 0.0000,
0.0000

50.4772, 0.2990,
0.2536

50.4772, 0.2990,
0.2536

41.1147, 0.2926,
0.2260

61.5397, 0.3045,
0.2809

33.3559, 0.2855,
0.1991

74.3787, 0.3092,
0.3072

27.1048, 0.2777,
0.1740

89.0740, 0.3132,
0.3320

22.2520, 0.2695,
0.1520

97.8065, 0.3171,
0.3436

■ 18.6733, 0.2612,
0.1342

■ 99.0719, 0.3214,
0.3434

■ 16.2216, 0.2529,
0.1212

■ 14.6803, 0.2451,
0.1128

■ 14.5165, 0.2441,
0.1119

Harmonies

Analogous

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



50.4772, 0.2509, 0.2419



50.4772, 0.2990, 0.2536



50.4772, 0.3555, 0.2815

Triad

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



50.4772, 0.2990, 0.2536



50.4772, 0.4105, 0.4032



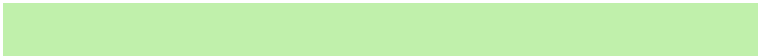
50.4772, 0.2292, 0.3282

Complementary

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



50.4772, 0.2990, 0.2536



76.4674, 0.3225, 0.4093

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.



50.4772, 0.2666, 0.3840



50.4772, 0.2990, 0.2536



50.4772, 0.3714, 0.4276

Square

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



50.4772, 0.2990, 0.2536



50.4772, 0.4231, 0.3636



50.4772, 0.3185, 0.4227



50.4772, 0.2136, 0.2792

Rectangle

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



50.4772, 0.2990, 0.2536



50.4772, 0.3892, 0.3065



50.4772, 0.3185, 0.4227



50.4772, 0.2394, 0.3471

Sweetspot

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



50.4793, 0.2990, 0.2536



84.9227, 0.3091, 0.3065



53.0201, 0.2650, 0.2725



17.6905, 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.



50.4793, 0.2990, 0.2536



50.8763, 0.2951, 0.2360



53.2143, 0.3263, 0.2695



15.7764, 0.3089, 0.3054



8.0187, 0.2454, 0.1125



0.7189, 0.2556, 0.1181

Inverse Universe

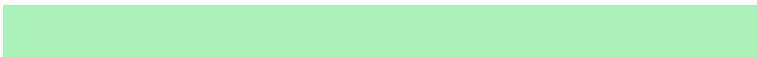
The Inverse Universe completely reimagines the original color for something new.



51.4525, 0.3570, 0.3061



52.2860, 0.3708, 0.3008



74.4286, 0.3016, 0.3969



15.8379, 0.3245, 0.3218



10.4245, 0.5748, 0.2940



0.8843, 0.5375, 0.2735

Previews

White Background



This preview shows how the Yxy color 50.4772, 0.2990, 0.2536 looks on a white background.

Color Contrast Check

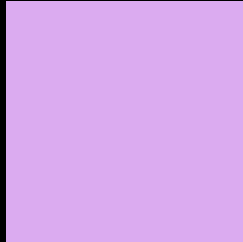
Large Text (above 18pt) WCAG AA × Fail

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 50.4772, 0.2990, 0.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

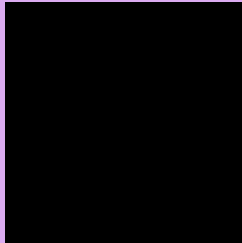
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4772, 0.2990, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 50.4772, 0.2990, 0.2536.



This preview shows how white text looks on a background with the Yxy color 50.4772, 0.2990, 0.2536.

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

50.4772, 0.2990, 0.2536

Protanopia

50.6289, 0.2571, 0.2525

Deuteranopia

50.7574, 0.2735, 0.2673



Tritanopia

50.5346, 0.3290, 0.3125

Trichromacy



Original Color

50.4772, 0.2990, 0.2536



Protanomaly

50.4545, 0.2711, 0.2530



Deuteranomaly

50.4177, 0.2820, 0.2620



Tritanomaly

50.5945, 0.3180, 0.2898

Monochromacy



Original Color

50.4772, 0.2990, 0.2536



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.9076, 0.3076, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4772, 0.2990, 0.2536 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(219, 171, 240)` looks like.

```
.text, #text, p{  
    color:rgb(219, 171, 240)  
}
```

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(219, 171, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 171, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.4772, 0.2990, 0.2536 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(219, 171, 240) }
```

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

```
.border{ border-color:rgb(219, 171, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 171, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 171, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 171, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 171,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4772, 0.2990, 0.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 171, 240) }
```

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

```
.background{ background-color: rgb(219,  
171, 240) }
```

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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