

Converting Colors

$Y_{xy}(49.1327, 0.2968, 0.2563)$

Have a look what the booklet for
Yxy(49.1327, 0.2968, 0.2563)
contains.

Yxy(49.1790, 0.2963, 0.2563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1790, 0.2963, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	D4ABEC
RGB	212, 171, 236
RGB Percent	83%, 67%, 93%
CMY	0.1686, 0.3294, 0.0745
CMYK	0.10, 0.28, 0.00, 0.07
HSL	278°, 63%, 80%
HSV	278°, 28%, 93%
XYZ	56.8542, 49.1790, 85.8474
YIQ	190.6690, 3.5710, 28.9070

Conversions

Conversions Part 2

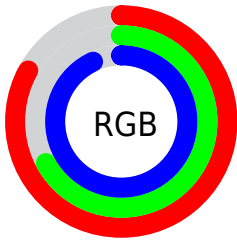
Format	Color
R _Y B	212, 171, 236
Decimal	13937644
CIE Lab	75.56, 26.62, -26.90
CIE LCh	76, 37.844, 314.703
Yxy	49.1790, 0.2963, 0.2563
Android (android.graphics.Color)	4292127724 (0xFFD4ABEC)
YUV	190.6690, 22.3482, 18.7073
Hunter-Lab	70.1277, 21.9906, -23.4909

Details

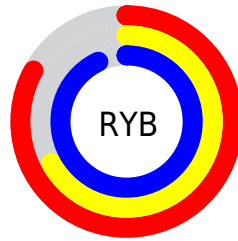
The Yxy color $49.1790, 0.2963, 0.2563$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $74.5292, 0.3250, 0.4047$, and the grayscale version is $51.7668, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $23.4203, 0.2914, 0.2384$ is the 20% darker color. If you saturate the color by 10%, you get $39.7872, 0.2885, 0.2280$, and if you desaturate by 10%, it is $60.2364, 0.3031, 0.2840$.

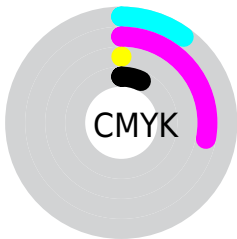
Distribution



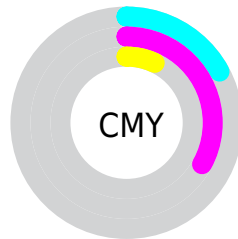
- Red (83%)
- Green (67%)
- Blue (93%)



- Red (83%)
- Yellow (67%)
- Blue (93%)



- Cyan (10%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)





- Cyan (17%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1790, 0.2963, 0.2563 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 49.1790, 0.2963, 0.2563 by changing the saturation by 10% instead.

 49.1790, 0.2963,
0.2563

 49.1790, 0.2963,
0.2563

383.4466, 0.3050,
0.2903

 34.7615, 0.2940,
0.2485


 88.9573, 0.2995,
0.2681

 23.4792, 0.2911,
0.2389

115.0868, 0.3007,
0.2727

 14.9478, 0.2871,
0.2267


145.8891, 0.3017,
0.2767

 8.7827, 0.2815,
0.2109

181.7486, 0.3026,
0.2801

 4.5997, 0.2731,
0.1896

223.0498, 0.3033,
0.2831

 2.0144, 0.2596,
0.1598

270.1769, 0.3040,

 0.6158, 0.2365,

0.2858

0.1120

323.5143, 0.3045,
0.2881

0.0000, 0.1157,
0.0000

0.0000, 0.0000,
0.0000

49.1790, 0.2963,
0.2563

49.1790, 0.2963,
0.2563

39.7872, 0.2885,
0.2280

60.2364, 0.3031,
0.2840

31.9689, 0.2798,
0.2000

73.0326, 0.3089,
0.3103

25.6326, 0.2703,
0.1735

87.6439, 0.3138,
0.3349

20.6745, 0.2603,
0.1498

97.3226, 0.3186,
0.3476

■ 16.9767, 0.2502,
0.1300

■ 98.8358, 0.3238,
0.3473

■ 14.4010, 0.2403,
0.1152

■ 12.7635, 0.2310,
0.1054

■ 12.4341, 0.2288,
0.1034

Harmonies

Analogous

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



49.1790, 0.2518, 0.2465



49.1790, 0.2963, 0.2563



49.1790, 0.3493, 0.2818

Triad

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



49.1790, 0.2963, 0.2563



49.1790, 0.4067, 0.3970



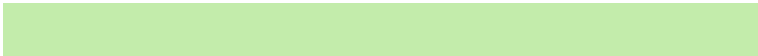
49.1790, 0.2358, 0.3323

Complementary

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



49.1790, 0.2963, 0.2563



74.5292, 0.3250, 0.4047

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.



49.1790, 0.2727, 0.3838



49.1790, 0.2963, 0.2563



49.1790, 0.3715, 0.4208

Square

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



49.1790, 0.2963, 0.2563



49.1790, 0.4161, 0.3592



49.1790, 0.3222, 0.4180



49.1790, 0.2193, 0.2852

Rectangle

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



49.1790, 0.2963, 0.2563



49.1790, 0.3815, 0.3053



49.1790, 0.3222, 0.4180



49.1790, 0.2461, 0.3500

Sweetspot

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



49.1811, 0.2963, 0.2563



86.2675, 0.3087, 0.3090



54.1568, 0.2678, 0.2808



17.9456, 0.3078, 0.3051



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.



49.1811, 0.2963, 0.2563



52.1264, 0.2920, 0.2405



52.5838, 0.3220, 0.2679



15.0198, 0.3079, 0.3054



6.9303, 0.2302, 0.1042



0.5985, 0.2427, 0.1111

Inverse Universe

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



50.8993, 0.3507, 0.3025



54.5893, 0.3613, 0.2969



71.8838, 0.3046, 0.3990



15.1460, 0.3235, 0.3203



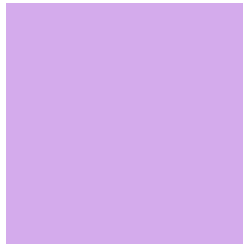
10.2330, 0.5499, 0.2803



0.8216, 0.5120, 0.2594

Previews

White Background



This preview shows how the Yxy color 49.1790, 0.2963, 0.2563 looks on a white background.

Color Contrast Check

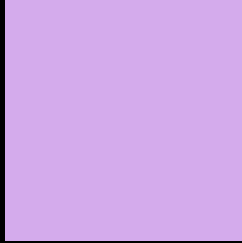
Large Text (above 18pt) WCAG AA × Fail

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 49.1790, 0.2963, 0.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

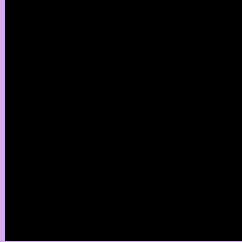
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1790, 0.2963, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 49.1790, 0.2963, 0.2563.



This preview shows how white text looks on a background with the Yxy color 49.1790, 0.2963, 0.2563.

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

49.1790, 0.2963, 0.2563

Protanopia

49.4808, 0.2597, 0.2552

Deuteranopia

49.5108, 0.2738, 0.2678



Tritanopia

49.0696, 0.3239, 0.3121

Trichromacy



Original Color

49.1790, 0.2963, 0.2563

Protanomaly

48.9653, 0.2719, 0.2553

Deuteranomaly

49.4448, 0.2817, 0.2635

Tritanomaly

49.0640, 0.3137, 0.2901

Monochromacy



Original Color

49.1790, 0.2963, 0.2563

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.9281, 0.3074, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1790, 0.2963, 0.2563 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(212, 171, 236)` looks like.

```
.text, #text, p{  
    color:rgb(212, 171, 236)  
}
```

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(212, 171, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 171, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.1790, 0.2963, 0.2563 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(212, 171, 236) }
```

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

```
.border{ border-color:rgb(212, 171, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 171, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 171, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 171, 236); box-shadow:4px 4px 4px 4px rgb(212, 171, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1790, 0.2963, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 171, 236) }
```

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

```
.background{ background-color: rgb(212,  
171, 236) }
```

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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