

Converting Colors

$Y_{xy}(45.0256, 0.3194, 0.2648)$

Have a look what the booklet for
Yxy(45.0256, 0.3194, 0.2648)
contains.

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Color

Yxy(44.9698, 0.3193, 0.2644)

Conversions

Conversions Part 1

Format	Color
Hex	DC9FD8
RGB	220, 159, 216
RGB Percent	86%, 62%, 85%
CMY	0.1373, 0.3764, 0.1528
CMYK	0.00, 0.28, 0.02, 0.14
HSL	304°, 47%, 74%
HSV	304°, 28%, 86%
XYZ	54.3073, 44.9698, 70.8053
YIQ	183.7370, 18.0590, 30.6590

Conversions

Conversions Part 2

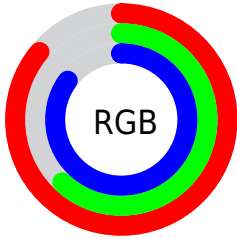
Format	Color
R _{YB}	220, 159, 216
Decimal	14458840
CIE Lab	72.87, 31.83, -20.05
CIE LCh	73, 37.617, 327.799
Yxy	44.9698, 0.3193, 0.2644
Android (android.graphics.Color)	4292648920 (0xFFDC9FD8)
YUV	183.7370, 15.9057, 31.8027
Hunter-Lab	67.0595, 27.2018, -15.6601

Details

The Yxy color **44.9698, 0.3193, 0.2644** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.1924, 0.3065, 0.4034**, and the grayscale version is **47.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **20.9811, 0.3202, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **37.9934, 0.3220, 0.2415**, and if you desaturate by 10%, it is **53.2972, 0.3167, 0.2880**.

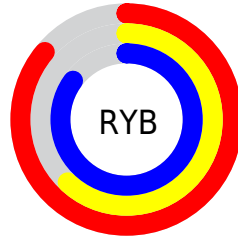
Distribution



Red (86%)

Green (62%)

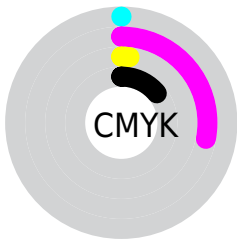
Blue (85%)



Red (86%)

Yellow (62%)

Blue (85%)

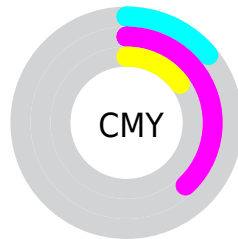


Cyan (0%)

Magenta (28%)

Yellow (2%)

Black (14%)



Cyan (14%)


Magenta (38%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9698, 0.3193, 0.2644 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 44.9698, 0.3193, 0.2644 by changing the saturation by 10% instead.


 44.9698, 0.3193,
0.2644


 44.9698, 0.3193,
0.2644


366.6512, 0.3167,
0.2951

 31.4336, 0.3198,
0.2572


 82.6751, 0.3185,
0.2752

 20.9293, 0.3202,
0.2482


 107.6130, 0.3182,
0.2794

 13.0723, 0.3207,
0.2367


137.1203, 0.3179,
0.2829

 7.4784, 0.3211,
0.2215

171.5814, 0.3176,
0.2860

 3.7630, 0.3210,
0.2004

211.3806, 0.3173,
0.2887

 1.5419, 0.3197,
0.1699

256.9024, 0.3171,

 0.3179, 0.3243,

0.2911

308.5311, 0.3169,
0.2932

0.0935

0.0000, 0.0475,
0.0000

0.0000, 0.0000,
0.0000

44.9698, 0.3193,
0.2644

44.9698, 0.3193,
0.2644

37.9934, 0.3220,
0.2415

53.2972, 0.3167,
0.2880

32.2906, 0.3249,
0.2200

63.0356, 0.3144,
0.3114

27.7853, 0.3277,
0.2011

74.2490, 0.3123,
0.3341

24.3912, 0.3305,
0.1856

86.9953, 0.3104,
0.3556

■ 22.0099, 0.3331,
0.1741

■ 92.0694, 0.3092,
0.3621

■ 20.5264, 0.3355,
0.1670

■ 92.1466, 0.3084,
0.3606

■ 19.7810, 0.3376,
0.1640

■ 92.2246, 0.3076,
0.3591

■ 19.6563, 0.3381,
0.1636

■ 92.3031, 0.3068,
0.3576

■ 92.3824, 0.3060,
0.3561

Harmonies

Analogous

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



44.9698, 0.2684, 0.2469



44.9698, 0.3193, 0.2644



44.9698, 0.3725, 0.2960

Triad

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



44.9698, 0.3193, 0.2644



44.9698, 0.3957, 0.4116



44.9698, 0.2240, 0.3095

Complementary

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



44.9698, 0.3193, 0.2644



61.1924, 0.3065, 0.4034

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.



44.9698, 0.2530, 0.3629



44.9698, 0.3193, 0.2644



44.9698, 0.3517, 0.4259

Square

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



44.9698, 0.3193, 0.2644



44.9698, 0.4181, 0.3775



44.9698, 0.2993, 0.4086



44.9698, 0.2170, 0.2683

Rectangle

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



44.9698, 0.3193, 0.2644



44.9698, 0.4003, 0.3221



44.9698, 0.2993, 0.4086



44.9698, 0.2313, 0.3267

Sweetspot

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



44.9718, 0.3193, 0.2644



87.5830, 0.3145, 0.3106



37.6529, 0.2669, 0.2498



18.2789, 0.3148, 0.3071



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.



44.9718, 0.3193, 0.2644



57.2030, 0.3208, 0.2515



43.5764, 0.3461, 0.2968



13.2595, 0.3148, 0.3074



11.5445, 0.3378, 0.1634



0.7524, 0.3348, 0.1618

Inverse Universe

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



44.9718, 0.3193, 0.2644



57.2030, 0.3208, 0.2515



62.3795, 0.2885, 0.3638



13.2595, 0.3148, 0.3074



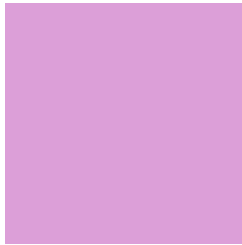
11.5445, 0.3378, 0.1634



0.7524, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 44.9698, 0.3193, 0.2644 looks on a white background.

Color Contrast Check

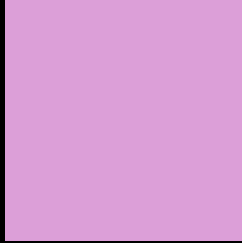
Large Text (above 18pt) WCAG AA × Fail

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 44.9698, 0.3193, 0.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

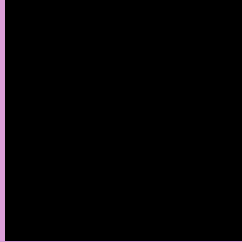
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9698, 0.3193, 0.2644

Background



This preview shows how black text looks on a background with the Yxy color 44.9698, 0.3193, 0.2644.



This preview shows how white text looks on a background with the Yxy color 44.9698, 0.3193, 0.2644.

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

44.9698, 0.3193, 0.2644

Protanopia

45.2084, 0.2662, 0.2640

Deuteranopia

45.1673, 0.2875, 0.2813



Tritanopia

44.9742, 0.3471, 0.3135

Trichromacy



Original Color

44.9698, 0.3193, 0.2644



Protanomaly

44.5704, 0.2841, 0.2634



Deuteranomaly

44.8331, 0.2989, 0.2744



Tritanomaly

44.7519, 0.3375, 0.2948

Monochromacy



Original Color

44.9698, 0.3193, 0.2644



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.5158, 0.3148, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9698, 0.3193, 0.2644 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(220, 159, 216)` looks like.

```
.text, #text, p{  
    color:rgb(220, 159, 216)  
}
```

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(220, 159, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 159, 216) }
```

Border

The CSS property to change the border of an element to Yxy 44.9698, 0.3193, 0.2644 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(220, 159, 216) }
```

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

```
.border{ border-color:rgb(220, 159, 216) }
```

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

Here you see how a box with a 4 pixel rgb(220, 159, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 159, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 159, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 159,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9698, 0.3193, 0.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 159, 216) }
```

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

```
.background{ background-color: rgb(220,  
159, 216) }
```

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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