

Converting Colors

$Y_{xy}(40.5252, 0.2928, 0.2600)$

Have a look what the booklet for
Yxy(40.5252, 0.2928, 0.2600)
contains.

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Color

Yxy(40.5214, 0.2929, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	BD9FD7
RGB	189, 159, 215
RGB Percent	74%, 62%, 84%
CMY	0.2588, 0.3765, 0.1570
CMYK	0.12, 0.26, 0.00, 0.16
HSL	272°, 41%, 73%
HSV	272°, 26%, 84%
XYZ	45.6489, 40.5214, 69.6812
YIQ	174.3540, -0.0960, 23.7760

Conversions

Conversions Part 2

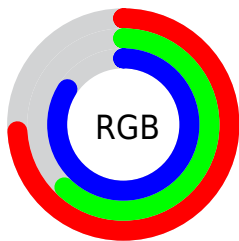
Format	Color
R_{YB}	189, 159, 215
Decimal	12427223
CIE _{Lab}	69.84, 21.57, -24.35
CIE _{LCh}	70, 32.529, 311.526
Yxy	40.5214, 0.2929, 0.2600
Android (android.graphics.Color)	4290617303 (0xFFBD9FD7)
YUV	174.3540, 20.0385, 12.8445
Hunter-Lab	63.6564, 16.6061, -20.3420

Details

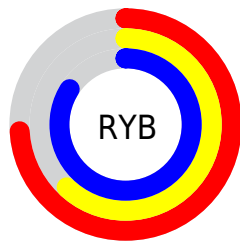
The Yxy color **40.5214, 0.2929, 0.2600** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.3950, 0.3284, 0.3988**, and the grayscale version is **42.4151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9060, 0.3083, 0.2883**, and **18.2044, 0.2863, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **32.5299, 0.2831, 0.2309**, and if you desaturate by 10%, it is **49.8895, 0.3015, 0.2879**.

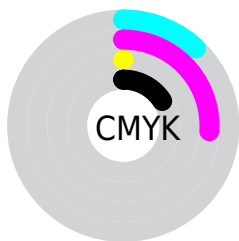
Distribution



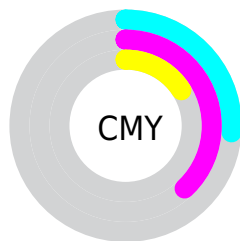
- Red (74%)
- Green (62%)
- Blue (84%)



- Red (74%)
- Yellow (62%)
- Blue (84%)



- Cyan (12%)
- Magenta (26%)
- Yellow (0%)
- Black (16%)





- Cyan (26%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5214, 0.2929, 0.2600 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 40.5214, 0.2929, 0.2600 by changing the saturation by 10% instead.


 40.5214, 0.2929,
0.2600


 40.5214, 0.2929,
0.2600


348.3163, 0.3035,
0.2935

 27.9453, 0.2901,
0.2520


 75.9568, 0.2969,
0.2719

 18.2844, 0.2864,
0.2419


 99.5850, 0.2983,
0.2765

 11.1544, 0.2813,
0.2288


127.6659, 0.2996,
0.2804

 6.1708, 0.2739,
0.2112

160.5840, 0.3006,
0.2837

 2.9492, 0.2626,
0.1867

198.7237, 0.3015,
0.2867

 1.1053, 0.2433,
0.1505

242.4694, 0.3022,

 0.0000, 0.2135,

0.2892

0.0000

292.2055, 0.3029,
0.2915

0.0000, 0.0000,
0.0000

40.5214, 0.2929,
0.2600

40.5214, 0.2929,
0.2600

32.5299, 0.2831,
0.2309

49.8895, 0.3015,
0.2879

25.8417, 0.2722,
0.2017

60.6927, 0.3088,
0.3142

20.3840, 0.2605,
0.1733

72.9919, 0.3151,
0.3383

16.0750, 0.2481,
0.1474

86.8432, 0.3203,
0.3604

12.8220, 0.2357,
0.1252

94.7503, 0.3258,
0.3694

■ 10.5176, 0.2238,
0.1079

■ 96.5321, 0.3323,
0.3686

■ 9.0284, 0.2128,
0.0961

■ 97.6845, 0.3364,
0.3681

■ 8.5685, 0.2086,
0.0923

Harmonies

Analogous

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



40.5214, 0.2531, 0.2528



40.5214, 0.2929, 0.2600



40.5214, 0.3413, 0.2824

Triad

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



40.5214, 0.2929, 0.2600



40.5214, 0.4013, 0.3888



40.5214, 0.2447, 0.3374

Complementary

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



40.5214, 0.2929, 0.2600



61.3950, 0.3284, 0.3988

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.



40.5214, 0.2806, 0.3833



40.5214, 0.2929, 0.2600



40.5214, 0.3713, 0.4120

Square

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



40.5214, 0.2929, 0.2600



40.5214, 0.4067, 0.3534



40.5214, 0.3268, 0.4117



40.5214, 0.2271, 0.2930

Rectangle

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



40.5214, 0.2929, 0.2600



40.5214, 0.3716, 0.3036



40.5214, 0.3268, 0.4117



40.5214, 0.2549, 0.3534

Sweetspot

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



40.5231, 0.2929, 0.2600



85.9177, 0.3074, 0.3090



47.0238, 0.2712, 0.2903



17.8574, 0.3063, 0.3050



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.



40.5231, 0.2929, 0.2600



53.2095, 0.2879, 0.2448



44.0488, 0.3173, 0.2666



12.3333, 0.3065, 0.3055



5.1906, 0.2101, 0.0931



0.3621, 0.2283, 0.1031

Inverse Universe

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



42.7405, 0.3428, 0.2980



57.0752, 0.3508, 0.2914



58.5231, 0.3081, 0.4005



12.5157, 0.3219, 0.3182



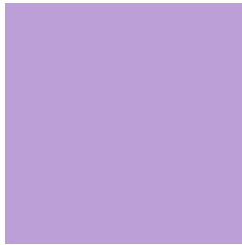
9.2089, 0.5100, 0.2583



0.5721, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 40.5214, 0.2929, 0.2600 looks on a white background.

Color Contrast Check

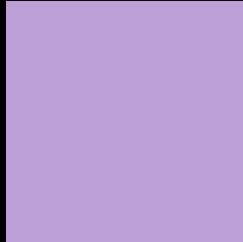
Large Text (above 18pt) WCAG AA × Fail

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 40.5214, 0.2929, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

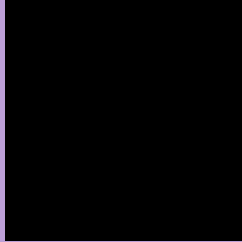
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5214, 0.2929, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 40.5214, 0.2929, 0.2600.



This preview shows how white text looks on a background with the Yxy color 40.5214, 0.2929, 0.2600.

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

40.5214, 0.2929, 0.2600

Protanopia

40.8180, 0.2631, 0.2601

Deuteranopia

40.5485, 0.2758, 0.2691



Tritanopia

40.5944, 0.3172, 0.3118

Trichromacy



Original Color

40.5214, 0.2929, 0.2600

Protanomaly

40.4598, 0.2737, 0.2599

Deuteranomaly

40.4046, 0.2812, 0.2651

Tritanomaly

40.3144, 0.3081, 0.2914

Monochromacy



Original Color

40.5214, 0.2929, 0.2600

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.6338, 0.3050, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5214, 0.2929, 0.2600 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(189, 159, 215)` looks like.

```
.text, #text, p{  
    color:rgb(189, 159, 215)  
}
```

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(189, 159, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 159, 215) }
```

Border

The CSS property to change the border of an element to Yxy 40.5214, 0.2929, 0.2600 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(189, 159, 215) }
```

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

```
.border{ border-color:rgb(189, 159, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 159, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 159, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 159, 215);  
box-shadow:4px 4px 4px 4px rgb(189, 159,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5214, 0.2929, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 159, 215) }
```

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

```
.background{ background-color: rgb(189,  
159, 215) }
```

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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