

Converting Colors

$Y_{xy}(40.7494, 0.2876, 0.2826)$

Have a look what the booklet for
Yxy(40.7494, 0.2876, 0.2826)
contains.

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Color

Yxy(40.6072, 0.2871, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	ABA7CB
RGB	171, 167, 203
RGB Percent	67%, 65%, 80%
CMY	0.3296, 0.3450, 0.2039
CMYK	0.16, 0.18, 0.00, 0.20
HSL	247°, 26%, 73%
HSV	247°, 18%, 80%
XYZ	41.3856, 40.6072, 62.1577
YIQ	172.3000, -9.1720, 12.0440

Conversions

Conversions Part 2

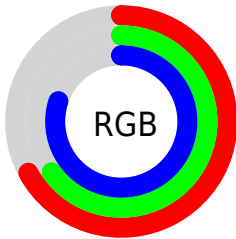
Format	Color
R _Y B	171, 167, 203
Decimal	11249611
CIE Lab	69.90, 8.71, -17.81
CIE LCh	70, 19.825, 296.074
Yxy	40.6072, 0.2871, 0.2817
Android (android.graphics.Color)	4289439691 (0xFFABA7CB)
YUV	172.3000, 15.1351, -1.1401
Hunter-Lab	63.7238, 4.4108, -13.2262

Details

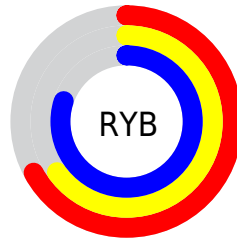
The Yxy color $40.6072, 0.2871, 0.2817$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $57.6547, 0.3359, 0.3731$, and the grayscale version is $41.3382, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.7934, 0.2953, 0.2951$, and $18.2829, 0.2787, 0.2678$ is the 20% darker color. If you saturate the color by 10%, you get $31.8520, 0.2700, 0.2508$, and if you desaturate by 10%, it is $50.8109, 0.3023, 0.3096$.

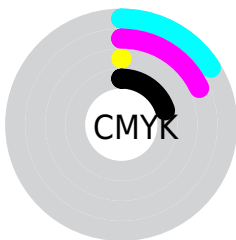
Distribution



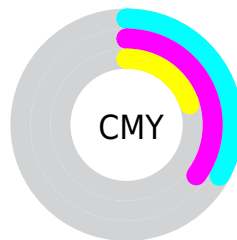
- Red (67%)
- Green (65%)
- Blue (80%)



- Red (67%)
- Yellow (65%)
- Blue (80%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6072, 0.2871, 0.2817 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 40.6072, 0.2871, 0.2817 by changing the saturation by 10% instead.

■ 40.6072, 0.2871,
0.2817

■ 40.6072, 0.2871,
0.2817

■ 348.6762, 0.3003,
0.3053

■ 28.0123, 0.2837,
0.2759

■ 76.0873, 0.2920,
0.2902

■ 18.3349, 0.2793,
0.2684

■ 99.7412, 0.2938,
0.2935

■ 11.1907, 0.2734,
0.2585

■ 127.8502, 0.2953,
0.2962

■ 6.1953, 0.2649,
0.2449

■ 160.7988, 0.2966,
0.2985

■ 2.9642, 0.2520,
0.2250

■ 198.9713, 0.2977,
0.3005

■ 1.1131, 0.2303,
0.1934

■ 242.7521, 0.2987,

■ 0.0000, 0.1384,

0.3023

0.0000

292.5256, 0.2995,
0.3039

0.0000, 0.0000,
0.0000

40.6072, 0.2871,
0.2817

40.6072, 0.2871,
0.2817

31.8520, 0.2700,
0.2508

50.8109, 0.3023,
0.3096

24.4748, 0.2512,
0.2176

62.5194, 0.3156,
0.3344

18.4067, 0.2313,
0.1832

75.7922, 0.3270,
0.3561

13.5708, 0.2113,
0.1493

90.6841, 0.3368,
0.3749

9.8822, 0.1923,
0.1183

97.0919, 0.3436,
0.3800

■ 7.2452, 0.1758,
0.0927

■ 5.5481, 0.1632,
0.0743

■ 4.6361, 0.1549,
0.0638

■ 4.4850, 0.1536,
0.0620

Harmonies

Analogous

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



40.6072, 0.2666, 0.2836



40.6072, 0.2871, 0.2817



40.6072, 0.3153, 0.2912

Triad

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



40.6072, 0.2871, 0.2817



40.6072, 0.3704, 0.3568



40.6072, 0.2813, 0.3490

Complementary

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



40.6072, 0.2871, 0.2817



57.6547, 0.3359, 0.3731

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.



40.6072, 0.3081, 0.3715



40.6072, 0.2871, 0.2817



40.6072, 0.3600, 0.3746

Square

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



40.6072, 0.2871, 0.2817



40.6072, 0.3645, 0.3331



40.6072, 0.3369, 0.3808



40.6072, 0.2634, 0.3213

Rectangle

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



40.6072, 0.2871, 0.2817



40.6072, 0.3349, 0.3027



40.6072, 0.3369, 0.3808



40.6072, 0.2896, 0.3576

Sweetspot

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



40.6089, 0.2871, 0.2817



90.0429, 0.3060, 0.3165



53.5625, 0.2860, 0.3243



18.9847, 0.3050, 0.3147



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.



40.6089, 0.2871, 0.2817



62.5137, 0.2812, 0.2711



42.7247, 0.3021, 0.2838



10.9018, 0.2999, 0.3052



2.8740, 0.1542, 0.0623



0.1686, 0.1665, 0.0691

Inverse Universe

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



44.4673, 0.3181, 0.2900



70.0916, 0.3193, 0.2820



55.3775, 0.3217, 0.3751



11.3818, 0.3154, 0.3086



10.2057, 0.3503, 0.1703



0.5327, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 40.6072, 0.2871, 0.2817 looks on a white background.

Color Contrast Check

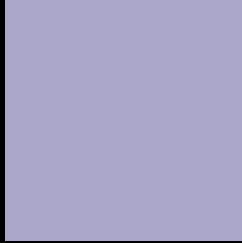
Large Text (above 18pt) WCAG AA × Fail

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 40.6072, 0.2871, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

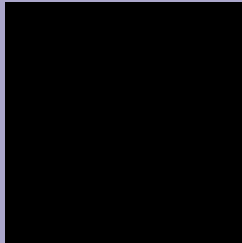
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6072, 0.2871, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 40.6072, 0.2871, 0.2817.



This preview shows how white text looks on a background with the Yxy color 40.6072, 0.2871, 0.2817.

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

40.6072, 0.2871, 0.2817

Protanopia

40.5221, 0.2800, 0.2823

Deuteranopia

40.7199, 0.2880, 0.2818



Tritanopia

40.5350, 0.2995, 0.3099

Trichromacy



Original Color

40.6072, 0.2871, 0.2817

Protanomaly

40.4719, 0.2823, 0.2813

Deuteranomaly

40.7199, 0.2880, 0.2818

Tritanomaly

40.5725, 0.2948, 0.2993

Monochromacy



Original Color

40.6072, 0.2871, 0.2817

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.9390, 0.3038, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6072, 0.2871, 0.2817 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(171, 167, 203)` looks like.

```
.text, #text, p{  
    color:rgb(171, 167, 203)  
}
```

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(171, 167, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 167, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.6072, 0.2871, 0.2817 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(171, 167, 203) }
```

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

```
.border{ border-color:rgb(171, 167, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 167, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(171, 167,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6072, 0.2871, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 167, 203) }
```

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

```
.background{ background-color: rgb(171,  
167, 203) }
```

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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