

Converting Colors

$Y_{xy}(40.6289, 0.2952, 0.2856)$

Have a look what the booklet for
Yxy(40.6289, 0.2952, 0.2856)
contains.

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Color

Yxy(40.7431, 0.2953, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	B1A6C7
RGB	177, 166, 199
RGB Percent	69%, 65%, 78%
CMY	0.3057, 0.3490, 0.2196
CMYK	0.11, 0.17, 0.00, 0.22
HSL	260°, 23%, 72%
HSV	260°, 17%, 78%
XYZ	42.0827, 40.7431, 59.6824
YIQ	173.0510, -4.0370, 12.5950

Conversions

Conversions Part 2

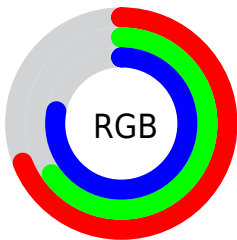
Format	Color
R_{YB}	177, 166, 199
Decimal	11642567
CIE _{Lab}	70.00, 10.42, -15.41
CIE _{LCh}	70, 18.601, 304.058
Yxy	40.7431, 0.2953, 0.2859
Android (android.graphics.Color)	4289832647 (0xFFB1A6C7)
YUV	173.0510, 12.7929, 3.4633
Hunter-Lab	63.8303, 5.9802, -10.7559

Details

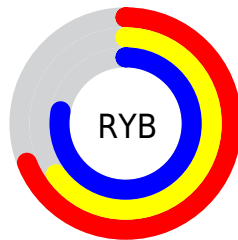
The Yxy color $40.7431, 0.2953, 0.2859$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $54.2896, 0.3282, 0.3710$, and the grayscale version is $41.7547, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.2565, 0.2993, 0.2944$, and $18.3640, 0.2897, 0.2736$ is the 20% darker color. If you saturate the color by 10%, you get $32.5802, 0.2827, 0.2568$, and if you desaturate by 10%, it is $50.1798, 0.3063, 0.3127$.

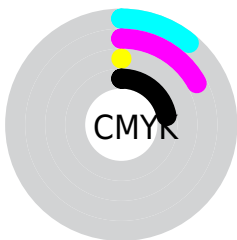
Distribution



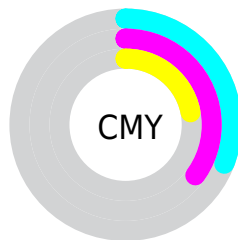
- Red (69%)
- Green (65%)
- Blue (78%)



- Red (69%)
- Yellow (65%)
- Blue (78%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7431, 0.2953, 0.2859 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 40.7431, 0.2953, 0.2859 by changing the saturation by 10% instead.

 40.7431, 0.2953,
0.2859


 40.7431, 0.2953,
0.2859


349.2458, 0.3043,
0.3074

 28.1184, 0.2929,
0.2806


 76.2938, 0.2987,
0.2937

 18.4149, 0.2899,
0.2738


 99.9885, 0.2999,
0.2966

 11.2483, 0.2857,
0.2648


128.1421, 0.3009,
0.2991

 6.2341, 0.2796,
0.2523

161.1388, 0.3018,
0.3012

 2.9879, 0.2703,
0.2340

199.3632, 0.3026,
0.3031

 1.1254, 0.2541,
0.2048

243.1995, 0.3032,

 0.0000, 0.1901,

0.3047

0.0000

293.0323, 0.3038,
0.3061

■ 0.0000, 0.0000,
0.0000

■ 40.7431, 0.2953,
0.2859

■ 40.7431, 0.2953,
0.2859

■ 32.5802, 0.2827,
0.2568

■ 50.1798, 0.3063,
0.3127

■ 25.6305, 0.2685,
0.2259

■ 60.9374, 0.3158,
0.3370

■ 19.8359, 0.2530,
0.1941

■ 73.0667, 0.3239,
0.3587

■ 15.1313, 0.2366,
0.1628

■ 86.6144, 0.3307,
0.3780

■ 11.4451, 0.2201,
0.1338

■ 94.7442, 0.3382,
0.3854

■ 8.6969, 0.2041,
0.1089

■ 96.9038, 0.3460,
0.3840

■ 6.7933, 0.1898,
0.0897

■ 5.6138, 0.1778,
0.0769

■ 5.3018, 0.1742,
0.0733

Harmonies

Analogous

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



40.7431, 0.2736, 0.2848



40.7431, 0.2953, 0.2859



40.7431, 0.3226, 0.2973

Triad

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



40.7431, 0.2953, 0.2859



40.7431, 0.3656, 0.3604



40.7431, 0.2778, 0.3410

Complementary

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



40.7431, 0.2953, 0.2859



54.2896, 0.3282, 0.3710

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.



40.7431, 0.3013, 0.3641



40.7431, 0.2953, 0.2859



40.7431, 0.3523, 0.3746

Square

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



40.7431, 0.2953, 0.2859



40.7431, 0.3642, 0.3391



40.7431, 0.3285, 0.3765



40.7431, 0.2638, 0.3153

Rectangle

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



40.7431, 0.2953, 0.2859



40.7431, 0.3404, 0.3094



40.7431, 0.3285, 0.3765



40.7431, 0.2848, 0.3494

Sweetspot

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



40.7448, 0.2953, 0.2859



90.5592, 0.3078, 0.3166



48.1973, 0.2873, 0.3145



19.1097, 0.3071, 0.3148



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.



40.7448, 0.2953, 0.2859



65.7871, 0.2908, 0.2754



42.7974, 0.3097, 0.2877



10.4570, 0.3034, 0.3055



3.4521, 0.1755, 0.0741



0.2033, 0.1996, 0.0873

Inverse Universe

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



43.0420, 0.3241, 0.3016



70.6153, 0.3271, 0.2952



52.3164, 0.3150, 0.3727



10.7540, 0.3188, 0.3137



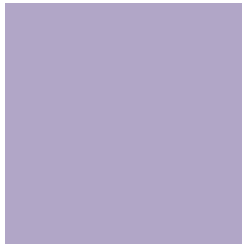
8.9035, 0.4266, 0.2124



0.4346, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 40.7431, 0.2953, 0.2859 looks on a white background.

Color Contrast Check

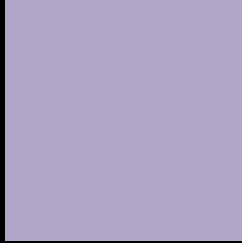
Large Text (above 18pt) WCAG AA × Fail

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 40.7431, 0.2953, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

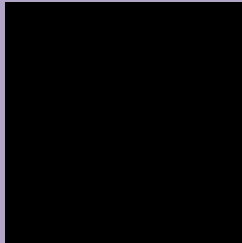
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7431, 0.2953, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 40.7431, 0.2953, 0.2859.



This preview shows how white text looks on a background with the Yxy color 40.7431, 0.2953, 0.2859.

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

40.7431, 0.2953, 0.2859

Protanopia

40.9658, 0.2839, 0.2876

Deuteranopia

40.7596, 0.2927, 0.2869



Tritanopia

40.7520, 0.3064, 0.3114

Trichromacy



Original Color

40.7431, 0.2953, 0.2859

Protanomaly

40.9811, 0.2878, 0.2879

Deuteranomaly

40.8749, 0.2936, 0.2870

Tritanomaly

40.7501, 0.3024, 0.3023

Monochromacy



Original Color

40.7431, 0.2953, 0.2859

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1255, 0.3063, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7431, 0.2953, 0.2859 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(177, 166, 199)` looks like.

```
.text, #text, p{  
    color:rgb(177, 166, 199)  
}
```

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(177, 166, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 166, 199) }
```

Border

The CSS property to change the border of an element to Yxy 40.7431, 0.2953, 0.2859 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(177, 166, 199) }
```

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

```
.border{ border-color:rgb(177, 166, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 166, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(177, 166,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7431, 0.2953, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 166, 199) }
```

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

```
.background{ background-color: rgb(177,  
166, 199) }
```

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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