

Converting Colors

$Y_{xy}(42.4040, 0.2947, 0.2940)$

Have a look what the booklet for
Yxy(42.4040, 0.2947, 0.2940)
contains.

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Color

Yxy(42.3170, 0.2945, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	AFABC6
RGB	175, 171, 198
RGB Percent	69%, 67%, 78%
CMY	0.3135, 0.3295, 0.2235
CMYK	0.12, 0.14, 0.00, 0.22
HSL	249°, 19%, 72%
HSV	249°, 14%, 78%
XYZ	42.4467, 42.3170, 59.3678
YIQ	175.2740, -6.2830, 9.2450

Conversions

Conversions Part 2

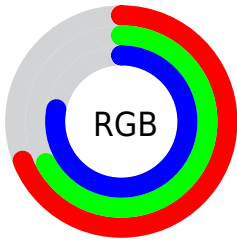
Format	Color
R _Y B	175, 171, 198
Decimal	11512774
CIE Lab	71.09, 6.80, -13.24
CIE LCh	71, 14.882, 297.190
Yxy	42.3170, 0.2945, 0.2936
Android (android.graphics.Color)	4289702854 (0xFFAFABC6)
YUV	175.2740, 11.2039, -0.2403
Hunter-Lab	65.0515, 2.6327, -8.5736

Details

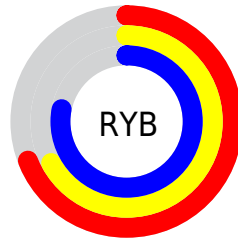
The Yxy color $42.3170, 0.2945, 0.2936$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $54.7981, 0.3296, 0.3628$, and the grayscale version is $42.9675, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6016, 0.2980, 0.2995$, and $19.3448, 0.2887, 0.2841$ is the 20% darker color. If you saturate the color by 10%, you get $33.5639, 0.2789, 0.2642$, and if you desaturate by 10%, it is $52.4366, 0.3082, 0.3201$.

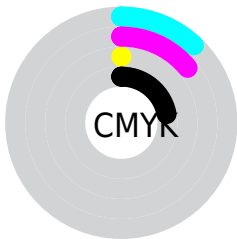
Distribution



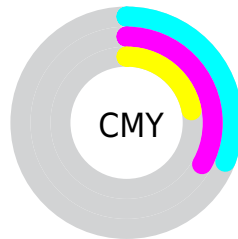
- Red (69%)
- Green (67%)
- Blue (78%)



- Red (69%)
- Yellow (67%)
- Blue (78%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3170, 0.2945, 0.2936 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 42.3170, 0.2945, 0.2936 by changing the saturation by 10% instead.


 42.3170, 0.2945,
0.2936

 42.3170, 0.2945,
0.2936


355.7953, 0.3038,
0.3113

 29.3496, 0.2921,
0.2892


 78.6792, 0.2979,
0.3000

 19.3454, 0.2890,
0.2836


102.8427, 0.2992,
0.3024

 11.9201, 0.2848,
0.2761


131.5071, 0.3003,
0.3044

 6.6893, 0.2789,
0.2658

165.0567, 0.3012,
0.3062

 3.2686, 0.2698,
0.2505

203.8759, 0.3020,
0.3077

 1.2735, 0.2544,
0.2258

248.3492, 0.3027,

 0.1206, 0.1921,

0.3090

0.0825

298.8609, 0.3033,
0.3102

0.0000, 0.0000,
0.0000

42.3170, 0.2945,
0.2936

42.3170, 0.2945,
0.2936

33.5639, 0.2789,
0.2642

52.4366, 0.3082,
0.3201

26.1135, 0.2616,
0.2322

63.9723, 0.3200,
0.3435

19.9046, 0.2428,
0.1986

76.9778, 0.3302,
0.3641

14.8693, 0.2233,
0.1647

91.5026, 0.3389,
0.3821

10.9328, 0.2041,
0.1327

96.8581, 0.3466,
0.3850

■ 8.0121, 0.1865,
0.1047

■ 6.0115, 0.1717,
0.0831

■ 4.8170, 0.1608,
0.0690

■ 4.3521, 0.1559,
0.0633

Harmonies

Analogous

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



42.3170, 0.2787, 0.2950



42.3170, 0.2945, 0.2936



42.3170, 0.3156, 0.3010

Triad

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



42.3170, 0.2945, 0.2936



42.3170, 0.3552, 0.3507



42.3170, 0.2888, 0.3431

Complementary

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



42.3170, 0.2945, 0.2936



54.7981, 0.3296, 0.3628

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.



42.3170, 0.3087, 0.3596



42.3170, 0.2945, 0.2936



42.3170, 0.3473, 0.3633

Square

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



42.3170, 0.2945, 0.2936



42.3170, 0.3513, 0.3331



42.3170, 0.3302, 0.3669



42.3170, 0.2756, 0.3229

Rectangle

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



42.3170, 0.2945, 0.2936



42.3170, 0.3300, 0.3099



42.3170, 0.3302, 0.3669



42.3170, 0.2949, 0.3493

Sweetspot

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



42.3188, 0.2945, 0.2936



92.0579, 0.3077, 0.3191



51.3016, 0.2920, 0.3237



19.3944, 0.3067, 0.3171



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.



42.3188, 0.2945, 0.2936



70.6853, 0.2907, 0.2863



43.9599, 0.3060, 0.2948



10.3630, 0.3006, 0.3053



2.8533, 0.1567, 0.0637



0.1603, 0.1735, 0.0729

Inverse Universe

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



45.0204, 0.3177, 0.3006



76.2844, 0.3187, 0.2950



53.0934, 0.3186, 0.3639



10.7881, 0.3160, 0.3096



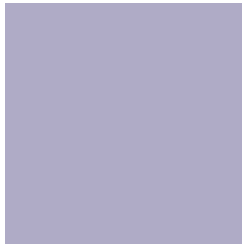
9.6596, 0.3627, 0.1772



0.4651, 0.3527, 0.1716

Previews

White Background



This preview shows how the Yxy color 42.3170, 0.2945, 0.2936 looks on a white background.

Color Contrast Check

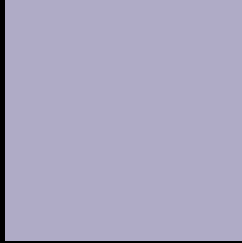
Large Text (above 18pt) WCAG AA × Fail

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 42.3170, 0.2945, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

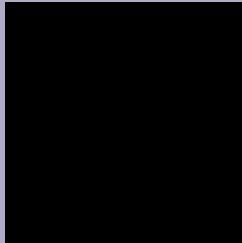
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3170, 0.2945, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 42.3170, 0.2945, 0.2936.



This preview shows how white text looks on a background with the Yxy color 42.3170, 0.2945, 0.2936.

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

42.3170, 0.2945, 0.2936

Protanopia

42.5567, 0.2896, 0.2947

Deuteranopia

42.4104, 0.2978, 0.2927



Tritanopia

42.3592, 0.3014, 0.3103

Trichromacy



Original Color

42.3170, 0.2945, 0.2936

Protanomaly

42.3992, 0.2912, 0.2935

Deuteranomaly

42.2916, 0.2970, 0.2926

Tritanomaly

42.2653, 0.2991, 0.3038

Monochromacy



Original Color

42.3170, 0.2945, 0.2936

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8050, 0.3063, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3170, 0.2945, 0.2936 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(175, 171, 198)` looks like.

```
.text, #text, p{  
    color:rgb(175, 171, 198)  
}
```

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(175, 171, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 171, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.3170, 0.2945, 0.2936 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(175, 171, 198) }
```

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

```
.border{ border-color:rgb(175, 171, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 171, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 171, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 171, 198);  
box-shadow:4px 4px 4px 4px rgb(175, 171,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3170, 0.2945, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 171, 198) }
```

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

```
.background{ background-color: rgb(175,  
171, 198) }
```

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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