

Converting Colors

$Y_{xy}(42.2271, 0.2905, 0.2897)$

Have a look what the booklet for
Yxy(42.2271, 0.2905, 0.2897)
contains.

Yxy(42.2271, 0.2905, 0.2897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.2271, 0.2905, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	ADABC9
RGB	173, 171, 201
RGB Percent	68%, 67%, 79%
CMY	0.3215, 0.3294, 0.2117
CMYK	0.14, 0.15, 0.00, 0.21
HSL	244°, 22%, 73%
HSV	244°, 15%, 79%
XYZ	42.3437, 42.2271, 61.1907
YIQ	175.0180, -8.4380, 9.7540

Conversions

Conversions Part 2

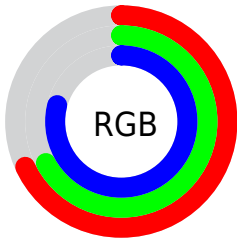
Format	Color
RYB	173, 171, 201
Decimal	11381705
CIELab	71.03, 6.76, -15.00
CIELCh	71, 16.451, 294.251
Yxy	42.2271, 0.2905, 0.2897
Android (android.graphics.Color)	4289571785 (0xFFADABC9)
YUV	175.0180, 12.8091, -1.7698
Hunter-Lab	64.9824, 2.5947, -10.3428

Details

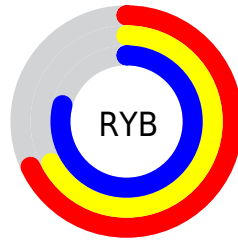
The Yxy color $42.2271, 0.2905, 0.2897$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $56.8665, 0.3332, 0.3659$, and the grayscale version is $42.8177, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.2707, 0.2966, 0.2994$, and $19.2933, 0.2834, 0.2788$ is the 20% darker color. If you saturate the color by 10%, you get $33.2137, 0.2732, 0.2594$, and if you desaturate by 10%, it is $52.6989, 0.3059, 0.3168$.

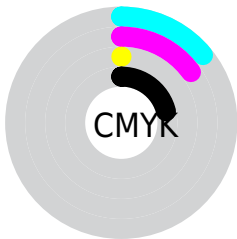
Distribution



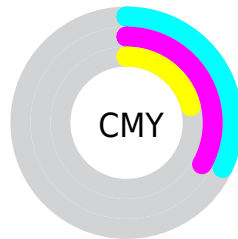
- Red (68%)
- Green (67%)
- Blue (79%)



- Red (68%)
- Yellow (67%)
- Blue (79%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (32%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2271, 0.2905, 0.2897 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 42.2271, 0.2905, 0.2897 by changing the saturation by 10% instead.

■ 42.2271, 0.2905,
0.2897

■ 42.2271, 0.2905,
0.2897

355.4235, 0.3018,
0.3093

■ 29.2792, 0.2876,
0.2848

■ 78.5432, 0.2947,
0.2968

■ 19.2921, 0.2839,
0.2786

102.6802, 0.2962,
0.2995

■ 11.8815, 0.2788,
0.2704

131.3156, 0.2975,
0.3017

■ 6.6631, 0.2717,
0.2590

164.8339, 0.2986,
0.3037

■ 3.2523, 0.2608,
0.2423

203.6194, 0.2996,
0.3053

■ 1.2648, 0.2426,
0.2155

248.0566, 0.3004,

■ 0.1137, 0.1734,

0.3068

0.0722

298.5298, 0.3012,
0.3081

0.0000, 0.0000,
0.0000

42.2271, 0.2905,
0.2897

42.2271, 0.2905,
0.2897

33.2137, 0.2732,
0.2594

52.6989, 0.3059,
0.3168

25.5889, 0.2541,
0.2265

64.6842, 0.3193,
0.3407

19.2854, 0.2337,
0.1918

78.2416, 0.3308,
0.3615

14.2277, 0.2131,
0.1572

93.4254, 0.3407,
0.3795

10.3333, 0.1935,
0.1248

96.9981, 0.3448,
0.3820

■ 7.5092, 0.1763,
0.0974

■ 5.6484, 0.1631,
0.0770

■ 4.6215, 0.1546,
0.0649

■ 4.3078, 0.1519,
0.0610

Harmonies

Analogous

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



42.2271, 0.2740, 0.2921



42.2271, 0.2905, 0.2897



42.2271, 0.3135, 0.2970

Triad

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



42.2271, 0.2905, 0.2897



42.2271, 0.3600, 0.3510



42.2271, 0.2882, 0.3467

Complementary

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



42.2271, 0.2905, 0.2897



56.8665, 0.3332, 0.3659

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.



42.2271, 0.3106, 0.3643



42.2271, 0.2905, 0.2897



42.2271, 0.3524, 0.3659

Square

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



42.2271, 0.2905, 0.2897



42.2271, 0.3543, 0.3314



42.2271, 0.3341, 0.3712



42.2271, 0.2727, 0.3243

Rectangle

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



42.2271, 0.2905, 0.2897



42.2271, 0.3296, 0.3063



42.2271, 0.3341, 0.3712



42.2271, 0.2951, 0.3534

Sweetspot

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



42.2289, 0.2905, 0.2897



91.9040, 0.3071, 0.3190



53.7322, 0.2902, 0.3264



19.3556, 0.3060, 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.



42.2289, 0.2905, 0.2897



66.8952, 0.2850, 0.2800



44.0355, 0.3032, 0.2912



10.3210, 0.2993, 0.3052



2.7226, 0.1524, 0.0613



0.1411, 0.1608, 0.0659

Inverse Universe

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



45.6688, 0.3161, 0.2948



73.9326, 0.3169, 0.2871



54.9154, 0.3211, 0.3673



10.8038, 0.3148, 0.3077



10.0817, 0.3384, 0.1638



0.4812, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 42.2271, 0.2905, 0.2897 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 42.2271, 0.2905, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

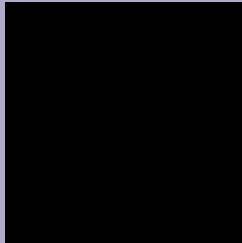
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2271, 0.2905, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 42.2271, 0.2905, 0.2897.



This preview shows how white text looks on a background with the Yxy color 42.2271, 0.2905, 0.2897.

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

42.2271, 0.2905, 0.2897

Protanopia

42.0941, 0.2857, 0.2894

Deuteranopia

42.3136, 0.2938, 0.2888



Tritanopia

42.1329, 0.2997, 0.3102

Trichromacy



Original Color

42.2271, 0.2905, 0.2897

Protanomaly

42.3154, 0.2873, 0.2896

Deuteranomaly

42.1966, 0.2930, 0.2887

Tritanomaly

42.0815, 0.2966, 0.3024

Monochromacy



Original Color

42.2271, 0.2905, 0.2897

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7315, 0.3046, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2271, 0.2905, 0.2897 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(173, 171, 201)` looks like.

```
.text, #text, p{  
    color:rgb(173, 171, 201)  
}
```

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(173, 171, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 171, 201) }
```

Border

The CSS property to change the border of an element to Yxy 42.2271, 0.2905, 0.2897 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(173, 171, 201) }
```

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

```
.border{ border-color:rgb(173, 171, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 171, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 171, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 171, 201);  
box-shadow:4px 4px 4px 4px rgb(173, 171,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2271, 0.2905, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 171, 201) }
```

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

```
.background{ background-color: rgb(173,  
171, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor