

Converting Colors

$Y_{xy}(42.3992, 0.2912, 0.2935)$

Have a look what the booklet for
Yxy(42.3992, 0.2912, 0.2935)
contains.

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Color

Yxy(42.3992, 0.2912, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	ACACC7
RGB	172, 172, 199
RGB Percent	67%, 67%, 78%
CMY	0.3256, 0.3254, 0.2196
CMYK	0.14, 0.14, 0.00, 0.22
HSL	240°, 19%, 73%
HSV	240°, 14%, 78%
XYZ	42.0669, 42.3992, 59.9945
YIQ	175.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

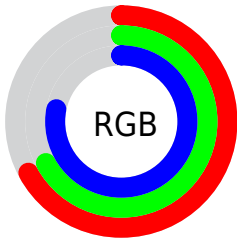
Format	Color
R _Y B	172, 172, 199
Decimal	11316423
CIE _{Lab}	71.15, 5.41, -13.71
CIE _{LCh}	71, 14.743, 291.545
Yxy	42.3992, 0.2912, 0.2935
Android (android.graphics.Color)	4289506503 (0xFFACACC7)
YUV	175.0780, 11.7935, -2.6994
Hunter-Lab	65.1147, 1.3682, -9.0476

Details

The Yxy color **42.3992, 0.2912, 0.2935** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.9352, 0.3328, 0.3622**, and the grayscale version is **42.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6522, 0.2960, 0.3003**, and **19.4703, 0.2855, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **33.3131, 0.2730, 0.2634**, and if you desaturate by 10%, it is **52.9553, 0.3074, 0.3202**.

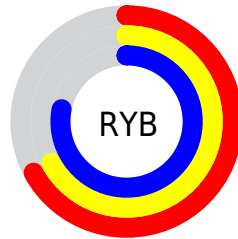
Distribution



Red (67%)

Green (67%)

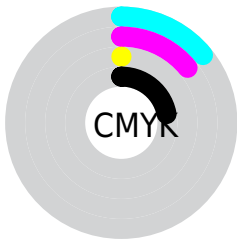
Blue (78%)



Red (67%)

Yellow (67%)

Blue (78%)

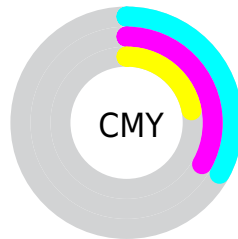


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (33%)

Magenta (33%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3992, 0.2912, 0.2935 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 42.3992, 0.2912, 0.2935 by changing the saturation by 10% instead.

■ 42.3992, 0.2912,
0.2935

■ 42.3992, 0.2912,
0.2935

356.1351, 0.3022,
0.3112

■ 29.4140, 0.2884,
0.2891

■ 78.8034, 0.2952,
0.2999

■ 19.3942, 0.2848,
0.2834

102.9913, 0.2967,
0.3024

■ 11.9555, 0.2799,
0.2759

131.6821, 0.2980,
0.3044

■ 6.7134, 0.2731,
0.2655

165.2603, 0.2991,
0.3062

■ 3.2835, 0.2626,
0.2501

204.1104, 0.3000,
0.3077

■ 1.2815, 0.2451,
0.2251

248.6166, 0.3008,

■ 0.1268, 0.1705,

0.3090

0.0855

299.1634, 0.3015,
0.3102

0.0000, 0.0000,
0.0000

42.3992, 0.2912,
0.2935

42.3992, 0.2912,
0.2935

33.3131, 0.2730,
0.2634

52.9553, 0.3074,
0.3202

25.6268, 0.2529,
0.2303

65.0369, 0.3216,
0.3436

19.2724, 0.2317,
0.1953

78.7032, 0.3338,
0.3638

14.1742, 0.2104,
0.1600

94.0085, 0.3444,
0.3812

10.2489, 0.1903,
0.1268

96.9032, 0.3460,
0.3840

■ 7.4033, 0.1732,
0.0985

■ 5.5298, 0.1604,
0.0774

■ 4.4990, 0.1529,
0.0648

■ 4.1324, 0.1501,
0.0601

Harmonies

Analogous

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



42.3992, 0.2770, 0.2966



42.3992, 0.2912, 0.2935



42.3992, 0.3115, 0.2993

Triad

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



42.3992, 0.2912, 0.2935



42.3992, 0.3550, 0.3474



42.3992, 0.2924, 0.3465

Complementary

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



42.3992, 0.2912, 0.2935



55.9352, 0.3328, 0.3622

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.



42.3992, 0.3128, 0.3614



42.3992, 0.2912, 0.2935



42.3992, 0.3493, 0.3612

Square

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



42.3992, 0.2912, 0.2935



42.3992, 0.3489, 0.3296



42.3992, 0.3337, 0.3667



42.3992, 0.2777, 0.3267

Rectangle

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



42.3992, 0.2912, 0.2935



42.3992, 0.3259, 0.3073



42.3992, 0.3337, 0.3667



42.3992, 0.2988, 0.3523

Sweetspot

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



42.4010, 0.2912, 0.2935



91.7936, 0.3067, 0.3191



53.7119, 0.2925, 0.3295



19.3278, 0.3055, 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.



42.4010, 0.2912, 0.2935



69.7848, 0.2866, 0.2858



43.9304, 0.3022, 0.2946



10.2911, 0.2983, 0.3052



2.6591, 0.1501, 0.0602



0.1272, 0.1502, 0.0607

Inverse Universe

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



44.6101, 0.3374, 0.3290



74.3242, 0.3431, 0.3290



54.2505, 0.3222, 0.3634



10.6373, 0.3289, 0.3290



7.8084, 0.6398, 0.3298



0.3699, 0.6389, 0.3293

Previews

White Background



This preview shows how the Yxy color 42.3992, 0.2912, 0.2935 looks on a white background.

Color Contrast Check

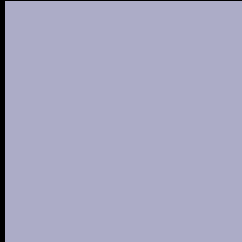
Large Text (above 18pt) WCAG AA × Fail

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 42.3992, 0.2912, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

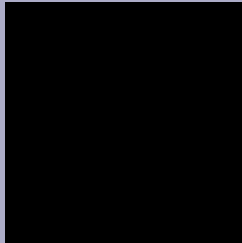
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3992, 0.2912, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 42.3992, 0.2912, 0.2935.



This preview shows how white text looks on a background with the Yxy color 42.3992, 0.2912, 0.2935.

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

42.3992, 0.2912, 0.2935

Protanopia

42.5567, 0.2896, 0.2947

Deuteranopia

42.4567, 0.2971, 0.2914



Tritanopia

42.4490, 0.2980, 0.3102

Trichromacy



Original Color

42.3992, 0.2912, 0.2935

Protanomaly

42.6686, 0.2904, 0.2947

Deuteranomaly

42.4794, 0.2945, 0.2925

Tritanomaly

42.3508, 0.2958, 0.3036

Monochromacy



Original Color

42.3992, 0.2912, 0.2935

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 42.3992, 0.2912, 0.2935 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(172, 172, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 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(172, 172, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.3992, 0.2912, 0.2935 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(172, 172, 199) }
```

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

```
.border{ border-color:rgb(172, 172, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3992, 0.2912, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 199) }
```

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

```
.background{ background-color: rgb(172,  
172, 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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