

Converting Colors

$Y_{xy}(42.8655, 0.2627, 0.2982)$

Have a look what the booklet for
Yxy(42.8655, 0.2627, 0.2982)
contains.

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Color

Yxy(42.7257, 0.2624, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	89B5CC
RGB	137, 181, 204
RGB Percent	54%, 71%, 80%
CMY	0.4624, 0.2902, 0.2000
CMYK	0.33, 0.11, 0.00, 0.20
HSL	201°, 40%, 67%
HSV	201°, 33%, 80%
XYZ	37.7482, 42.7257, 63.3836
YIQ	170.4660, -33.6070, -2.1750

Conversions

Conversions Part 2

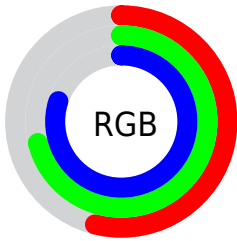
Format	Color
R _Y B	137, 164, 204
Decimal	9024972
CIE Lab	71.37, -9.06, -16.36
CIE LCh	71, 18.701, 241.020
Yxy	42.7257, 0.2624, 0.2970
Android (android.graphics.Color)	4287215052 (0xFF89B5CC)
YUV	170.4660, 16.5323, -29.3497
Hunter-Lab	65.3649, -11.3048, -11.7375

Details

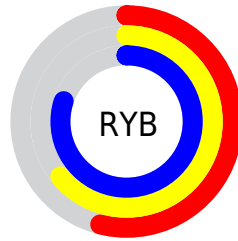
The Yxy color **42.7257, 0.2624, 0.2970** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8178, 0.3785, 0.3587**, and the grayscale version is **40.3793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9948, 0.2745, 0.3095**, and **19.5252, 0.2477, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **38.3811, 0.2478, 0.2854**, and if you desaturate by 10%, it is **47.5433, 0.2776, 0.3078**.

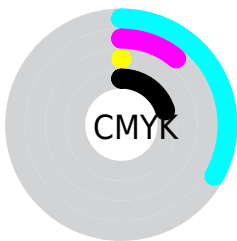
Distribution



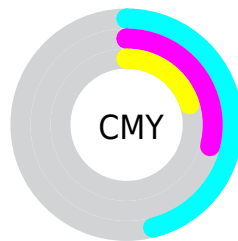
- Red (54%)
- Green (71%)
- Blue (80%)



- Red (54%)
- Yellow (64%)
- Blue (80%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7257, 0.2624, 0.2970 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 42.7257, 0.2624, 0.2970 by changing the saturation by 10% instead.

■ 42.7257, 0.2624,
0.2970

■ 42.7257, 0.2624,
0.2970

■ 357.4825, 0.2875,
0.3135

■ 29.6700, 0.2562,
0.2928

■ 79.2968, 0.2715,
0.3031

■ 19.5882, 0.2483,
0.2873

■ 103.5809, 0.2749,
0.3053

■ 12.0961, 0.2378,
0.2799

■ 132.3766, 0.2778,
0.3072

■ 6.8091, 0.2234,
0.2694

■ 166.0682, 0.2803,
0.3088

■ 3.3430, 0.2025,
0.2534

■ 205.0403, 0.2824,
0.3102

■ 1.3133, 0.1697,
0.2269

■ 249.6770, 0.2843,

■ 0.1515, 0.0000,

0.3115

0.1008

300.3630, 0.2860,
0.3125

0.0000, 0.0000,
0.0000

42.7257, 0.2624,
0.2970

42.7257, 0.2624,
0.2970

38.3811, 0.2478,
0.2854

47.5433, 0.2776,
0.3078

34.4839, 0.2341,
0.2731

52.8480, 0.2930,
0.3177

31.0134, 0.2218,
0.2603

58.6590, 0.3084,
0.3266

27.9449, 0.2112,
0.2471

64.9933, 0.3235,
0.3347

25.2500, 0.2025,
0.2339

71.8667, 0.3382,
0.3419

■ 22.8950, 0.1959,
0.2208

■ 78.4355, 0.3489,
0.3484

■ 21.3697, 0.1921,
0.2116

■ 82.2636, 0.3476,
0.3554

■ 86.2488, 0.3463,
0.3622

■ 90.3929, 0.3449,
0.3689

Harmonies

Analogous

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



42.7257, 0.2652, 0.3179



42.7257, 0.2624, 0.2970



42.7257, 0.2723, 0.2857

Triad

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



42.7257, 0.2624, 0.2970



42.7257, 0.3456, 0.3144



42.7257, 0.3310, 0.3765

Complementary

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



42.7257, 0.2624, 0.2970



39.8178, 0.3785, 0.3587

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.



42.7257, 0.3538, 0.3732



42.7257, 0.2624, 0.2970



42.7257, 0.3626, 0.3367

Square

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



42.7257, 0.2624, 0.2970



42.7257, 0.3197, 0.2961



42.7257, 0.3656, 0.3582



42.7257, 0.3041, 0.3655

Rectangle

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



42.7257, 0.2624, 0.2970



42.7257, 0.2851, 0.2845



42.7257, 0.3656, 0.3582



42.7257, 0.3395, 0.3769

Sweetspot

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



42.7274, 0.2624, 0.2970



90.0130, 0.2972, 0.3202



51.0273, 0.2938, 0.3924



18.9811, 0.2950, 0.3189



0.0000, 0.0000, 0.0000



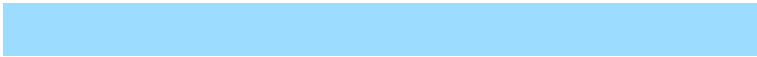
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7274, 0.2624, 0.2970



65.8526, 0.2525, 0.2893



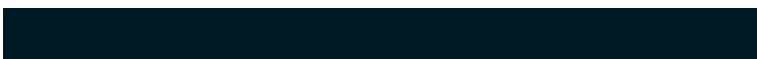
30.9364, 0.2565, 0.2491



12.0522, 0.2983, 0.3208



13.6294, 0.1926, 0.2134



0.8410, 0.1996, 0.2386

Inverse Universe

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



34.0860, 0.3393, 0.2741



50.0962, 0.3466, 0.2628



52.7178, 0.3657, 0.3979



11.3356, 0.3189, 0.3139



9.1789, 0.4304, 0.2145



0.4874, 0.4037, 0.1998

Previews

White Background



This preview shows how the Yxy color 42.7257, 0.2624, 0.2970 looks on a white background.

Color Contrast Check

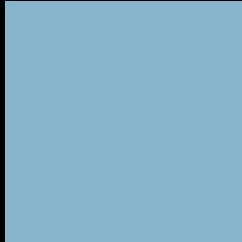
Large Text (above 18pt) WCAG AA × Fail

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 42.7257, 0.2624, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

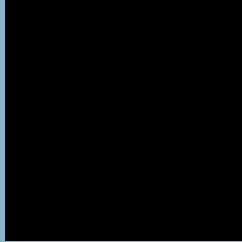
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7257, 0.2624, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 42.7257, 0.2624, 0.2970.



This preview shows how white text looks on a background with the Yxy color 42.7257, 0.2624, 0.2970.

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

42.7257, 0.2624, 0.2970

Protanopia

42.5567, 0.2896, 0.2947

Deuteranopia

42.4358, 0.2892, 0.2826



Tritanopia

42.6380, 0.2656, 0.3077

Trichromacy



Original Color

42.7257, 0.2624, 0.2970

Protanomaly

42.5368, 0.2788, 0.2953

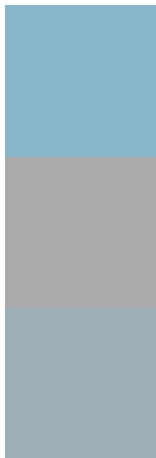
Deuteranomaly

42.3613, 0.2789, 0.2878

Tritanomaly

42.8603, 0.2644, 0.3037

Monochromacy



Original Color

42.7257, 0.2624, 0.2970

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9186, 0.2926, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7257, 0.2624, 0.2970 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(137, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(137, 181, 204)  
}
```

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(137, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 181, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.7257, 0.2624, 0.2970 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(137, 181, 204) }
```

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

```
.border{ border-color:rgb(137, 181, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 181, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(137, 181,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7257, 0.2624, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 181, 204) }
```

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

```
.background{ background-color: rgb(137,  
181, 204) }
```

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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