

Converting Colors

$Y_{xy}(42.8799, 0.2647, 0.2948)$

Have a look what the booklet for
Yxy(42.8799, 0.2647, 0.2948)
contains.

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Color

Yxy(42.8011, 0.2650, 0.2946)

Conversions

Conversions Part 1

Format	Color
Hex	8EB4CD
RGB	142, 180, 205
RGB Percent	56%, 71%, 80%
CMY	0.4430, 0.2941, 0.1961
CMYK	0.31, 0.12, 0.00, 0.20
HSL	204°, 39%, 68%
HSV	204°, 31%, 80%
XYZ	38.5007, 42.8011, 63.9837
YIQ	171.4880, -30.6730, -0.2810

Conversions

Conversions Part 2

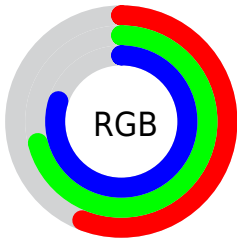
Format	Color
RYB	142, 166, 205
Decimal	9352397
CIELab	71.42, -6.86, -16.80
CIELCh	71, 18.142, 247.794
Yxy	42.8011, 0.2650, 0.2946
Android (android.graphics.Color)	4287542477 (0xFF8EB4CD)
YUV	171.4880, 16.5214, -25.8610
Hunter-Lab	65.4225, -9.4436, -12.1903

Details

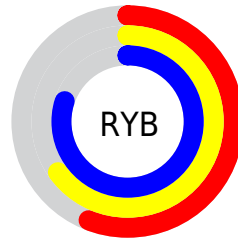
The Yxy color **42.8011, 0.2650, 0.2946** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.5854, 0.3720, 0.3609**, and the grayscale version is **40.9145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0812, 0.2773, 0.3086**, and **19.5868, 0.2516, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **37.9617, 0.2497, 0.2813**, and if you desaturate by 10%, it is **48.1704, 0.2806, 0.3069**.

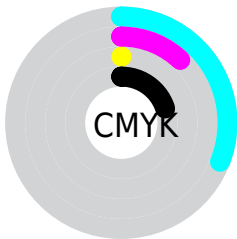
Distribution



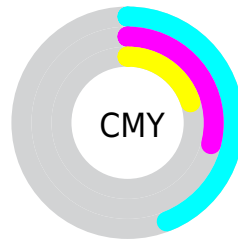
- Red (56%)
- Green (71%)
- Blue (80%)



- Red (56%)
- Yellow (65%)
- Blue (80%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (44%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8011, 0.2650, 0.2946 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 42.8011, 0.2650, 0.2946 by changing the saturation by 10% instead.

■ 42.8011, 0.2650,
0.2946

■ 42.8011, 0.2650,
0.2946

■ 357.7932, 0.2888,
0.3122

■ 29.7291, 0.2591,
0.2901

■ 79.4106, 0.2736,
0.3011

■ 19.6330, 0.2516,
0.2843

■ 103.7169, 0.2769,
0.3035

■ 12.1286, 0.2416,
0.2765

■ 132.5368, 0.2796,
0.3055

■ 6.8313, 0.2279,
0.2656

■ 166.2546, 0.2820,
0.3072

■ 3.3568, 0.2078,
0.2491

■ 205.2547, 0.2840,
0.3087

■ 1.3207, 0.1764,
0.2220

■ 249.9216, 0.2858,

■ 0.1572, 0.0000,

0.3100

0.1011

300.6396, 0.2874,
0.3112

0.0000, 0.0000,
0.0000

42.8011, 0.2650,
0.2946

42.8011, 0.2650,
0.2946

37.9617, 0.2497,
0.2813

48.1704, 0.2806,
0.3069

33.6256, 0.2352,
0.2670

54.0847, 0.2963,
0.3182

29.7709, 0.2218,
0.2521

60.5644, 0.3116,
0.3283

26.3720, 0.2100,
0.2368

67.6275, 0.3266,
0.3374

23.3996, 0.2001,
0.2214

75.2909, 0.3409,
0.3454

■ 20.8198, 0.1923,
0.2062

■ 81.6164, 0.3471,
0.3531

■ 18.7193, 0.1868,
0.1924

■ 86.2233, 0.3456,
0.3611

■ 91.0442, 0.3441,
0.3688

■ 96.0819, 0.3427,
0.3764

Harmonies

Analogous

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



42.8011, 0.2649, 0.3131



42.8011, 0.2650, 0.2946



42.8011, 0.2772, 0.2861

Triad

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



42.8011, 0.2650, 0.2946



42.8011, 0.3493, 0.3195



42.8011, 0.3247, 0.3738

Complementary

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



42.8011, 0.2650, 0.2946



42.5854, 0.3720, 0.3609

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.



42.8011, 0.3483, 0.3737



42.8011, 0.2650, 0.2946



42.8011, 0.3630, 0.3415

Square

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



42.8011, 0.2650, 0.2946



42.8011, 0.3256, 0.3005



42.8011, 0.3626, 0.3614



42.8011, 0.2986, 0.3603

Rectangle

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



42.8011, 0.2650, 0.2946



42.8011, 0.2910, 0.2865



42.8011, 0.3626, 0.3614



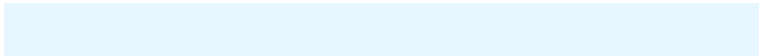
42.8011, 0.3332, 0.3753

Sweetspot

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



42.8028, 0.2650, 0.2946



90.2265, 0.2987, 0.3199



52.1731, 0.2929, 0.3831



18.9897, 0.2964, 0.3183



0.0000, 0.0000, 0.0000



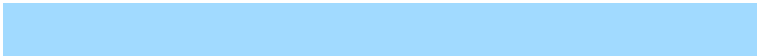
21.4041, 0.3127, 0.3290

Same Dimension

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



42.8028, 0.2650, 0.2946



64.6613, 0.2546, 0.2857



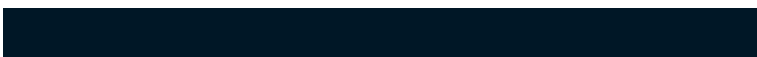
31.7807, 0.2599, 0.2504



11.9502, 0.2983, 0.3196



11.8446, 0.1874, 0.1945



0.7568, 0.1955, 0.2236

Inverse Universe

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



35.6328, 0.3406, 0.2817



51.6651, 0.3489, 0.2710



55.1597, 0.3611, 0.3970



11.3254, 0.3197, 0.3151



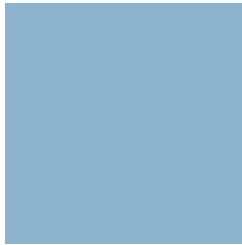
8.9987, 0.4515, 0.2261



0.4789, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 42.8011, 0.2650, 0.2946 looks on a white background.

Color Contrast Check

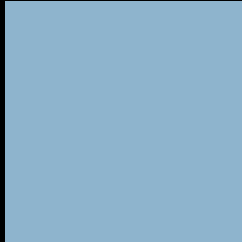
Large Text (above 18pt) WCAG AA × Fail

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 42.8011, 0.2650, 0.2946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

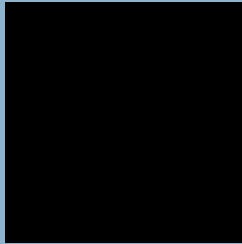
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

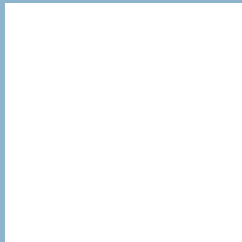
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8011, 0.2650, 0.2946

Background



This preview shows how black text looks on a background with the Yxy color 42.8011, 0.2650, 0.2946.



This preview shows how white text looks on a background with the Yxy color 42.8011, 0.2650, 0.2946.

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

42.8011, 0.2650, 0.2946

Protanopia

42.6033, 0.2889, 0.2934

Deuteranopia

42.3684, 0.2876, 0.2813



Tritanopia

42.6087, 0.2695, 0.3079

Trichromacy



Original Color

42.8011, 0.2650, 0.2946

Protanomaly

42.7885, 0.2797, 0.2942

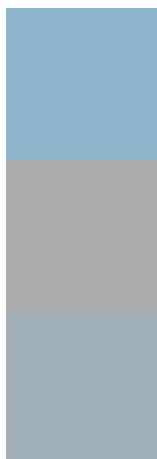
Deuteranomaly

42.5149, 0.2790, 0.2867

Tritanomaly

42.8340, 0.2683, 0.3039

Monochromacy



Original Color

42.8011, 0.2650, 0.2946

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.1646, 0.2935, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8011, 0.2650, 0.2946 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(142, 180, 205)` looks like.

```
.text, #text, p{  
    color:rgb(142, 180, 205)  
}
```

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(142, 180, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 180, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.8011, 0.2650, 0.2946 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(142, 180, 205) }
```

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

```
.border{ border-color:rgb(142, 180, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 180, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 180, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 180, 205);  
box-shadow:4px 4px 4px 4px rgb(142, 180,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8011, 0.2650, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 180, 205) }
```

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

```
.background{ background-color: rgb(142,  
180, 205) }
```

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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