

Converting Colors

$Y_{xy}(42.2570, 0.2596, 0.2828)$

Have a look what the booklet for
Yxy(42.2570, 0.2596, 0.2828)
contains.

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Color

Yxy(42.2570, 0.2596, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	8DB2D4
RGB	141, 178, 212
RGB Percent	55%, 70%, 83%
CMY	0.4469, 0.3020, 0.1688
CMYK	0.33, 0.16, 0.00, 0.17
HSL	209°, 45%, 69%
HSV	209°, 33%, 83%
XYZ	38.7904, 42.2570, 68.3762
YIQ	170.8130, -32.9660, 2.7300

Conversions

Conversions Part 2

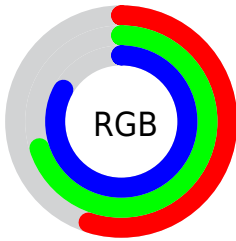
Format	Color
RYB	141, 165, 212
Decimal	9286356
CIELab	71.05, -4.33, -21.19
CIELCh	71, 21.624, 258.457
Yxy	42.2570, 0.2596, 0.2828
Android (android.graphics.Color)	4287476436 (0xFF8DB2D4)
YUV	170.8130, 20.3052, -26.1460
Hunter-Lab	65.0054, -7.2439, -16.8607

Details

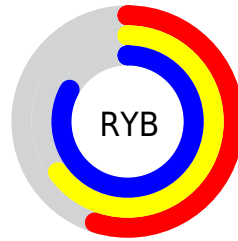
The Yxy color **42.2570, 0.2596, 0.2828** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.5815, 0.3765, 0.3709**, and the grayscale version is **40.5389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8014, 0.2766, 0.3064**, and **19.1763, 0.2447, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **36.6826, 0.2436, 0.2661**, and if you desaturate by 10%, it is **48.4894, 0.2758, 0.2982**.

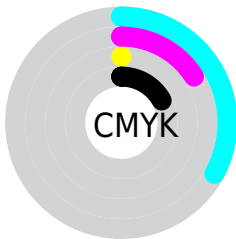
Distribution



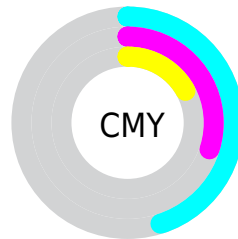
- Red (55%)
- Green (70%)
- Blue (83%)



- Red (55%)
- Yellow (65%)
- Blue (83%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (45%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2570, 0.2596, 0.2828 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 42.2570, 0.2596, 0.2828 by changing the saturation by 10% instead.

■ 42.2570, 0.2596,
0.2828

■ 42.2570, 0.2596,
0.2828

■ 355.5472, 0.2861,
0.3062

■ 29.3026, 0.2531,
0.2769

■ 78.5884, 0.2692,
0.2913

■ 19.3098, 0.2447,
0.2694

■ 102.7342, 0.2728,
0.2945

■ 11.8944, 0.2337,
0.2593

■ 131.3793, 0.2759,
0.2972

■ 6.6718, 0.2186,
0.2454

■ 164.9080, 0.2785,
0.2995

■ 3.2577, 0.1968,
0.2249

■ 203.7048, 0.2808,
0.3015

■ 1.2677, 0.1632,
0.1924

■ 248.1539, 0.2828,

■ 0.1160, 0.0025,

0.3033

0.0616

298.6400, 0.2845,
0.3048

0.0000, 0.0000,
0.0000

42.2570, 0.2596,
0.2828

42.2570, 0.2596,
0.2828

36.6826, 0.2436,
0.2661

48.4894, 0.2758,
0.2982

31.7344, 0.2283,
0.2484

55.3997, 0.2919,
0.3123

27.3850, 0.2141,
0.2300

63.0130, 0.3075,
0.3249

23.6024, 0.2016,
0.2112

71.3516, 0.3224,
0.3362

20.3504, 0.1911,
0.1926

80.4366, 0.3366,
0.3463

■ 17.5866, 0.1830,
0.1746

■ 87.6929, 0.3407,
0.3559

■ 15.9998, 0.1787,
0.1634

■ 93.8025, 0.3391,
0.3656

■ 97.5318, 0.3382,
0.3711

Harmonies

Analogous

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



42.2570, 0.2542, 0.3007



42.2570, 0.2596, 0.2828



42.2570, 0.2785, 0.2776

Triad

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



42.2570, 0.2596, 0.2828



42.2570, 0.3642, 0.3266



42.2570, 0.3156, 0.3790

Complementary

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



42.2570, 0.2596, 0.2828



46.5815, 0.3765, 0.3709

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.



42.2570, 0.3459, 0.3846



42.2570, 0.2596, 0.2828



42.2570, 0.3749, 0.3525

Square

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



42.2570, 0.2596, 0.2828



42.2570, 0.3390, 0.3024



42.2570, 0.3680, 0.3740



42.2570, 0.2856, 0.3577

Rectangle

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



42.2570, 0.2596, 0.2828



42.2570, 0.2970, 0.2811



42.2570, 0.3680, 0.3740



42.2570, 0.3261, 0.3828

Sweetspot

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



42.2587, 0.2596, 0.2828



87.9340, 0.2971, 0.3167



55.7983, 0.2876, 0.3805



18.4776, 0.2949, 0.3148



0.0000, 0.0000, 0.0000



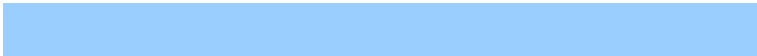
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2587, 0.2596, 0.2828



58.2057, 0.2484, 0.2713



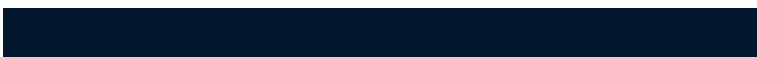
30.1865, 0.2533, 0.2334



13.0686, 0.2982, 0.3176



10.0828, 0.1794, 0.1658



0.7735, 0.1878, 0.1961

Inverse Universe

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



36.2694, 0.3500, 0.2839



48.5058, 0.3608, 0.2744



61.8135, 0.3637, 0.4094



12.5278, 0.3210, 0.3169



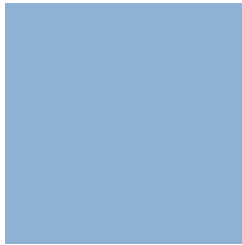
9.3627, 0.4859, 0.2450



0.5814, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 42.2570, 0.2596, 0.2828 looks on a white background.

Color Contrast Check

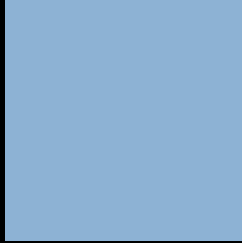
Large Text (above 18pt) WCAG AA × Fail

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 42.2570, 0.2596, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

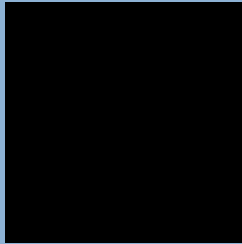
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

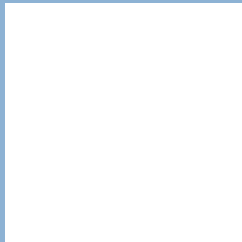
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2570, 0.2596, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 42.2570, 0.2596, 0.2828.

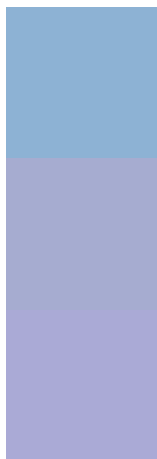


This preview shows how white text looks on a background with the Yxy color 42.2570, 0.2596, 0.2828.

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

42.2570, 0.2596, 0.2828

Protanopia

42.1661, 0.2798, 0.2818

Deuteranopia

42.1505, 0.2785, 0.2724



Tritanopia

42.3062, 0.2681, 0.3091

Trichromacy



Original Color

42.2570, 0.2596, 0.2828

Protanomaly

42.0437, 0.2723, 0.2824

Deuteranomaly

42.0622, 0.2710, 0.2763

Tritanomaly

42.2628, 0.2648, 0.2996

Monochromacy



Original Color

42.2570, 0.2596, 0.2828

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2909, 0.2912, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2570, 0.2596, 0.2828 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(141, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(141, 178, 212)  
}
```

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(141, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 178, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.2570, 0.2596, 0.2828 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(141, 178, 212) }
```

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

```
.border{ border-color:rgb(141, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(141, 178,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2570, 0.2596, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 178, 212) }
```

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

```
.background{ background-color: rgb(141,  
178, 212) }
```

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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