

Converting Colors

$Y_{xy}(42.5931, 0.2880, 0.2995)$

Have a look what the booklet for
Yxy(42.5931, 0.2880, 0.2995)
contains.

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Color

Yxy(42.7982, 0.2880, 0.2996)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A6AFC5 |
| RGB | 166, 175, 197 |
| RGB Percent | 65%, 69%, 77% |
| CMY | 0.3488, 0.3138, 0.2275 |
| CMYK | 0.16, 0.11, 0.00, 0.23 |
| HSL | 223°, 21%, 71% |
| HSV | 223°, 16%, 77% |
| XYZ | 41.1411, 42.7982, 58.9118 |
| YIQ | 174.8170, -12.4260, 4.9340 |

Conversions

Conversions Part 2

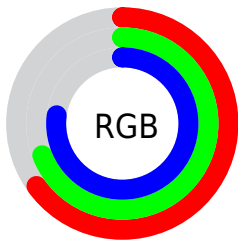
| Format | Color |
|-------------------------------------|--|
| RYB | 166, 173, 197 |
| Decimal | 10923973 |
| CIELab | 71.42, 1.42, -12.25 |
| CIElCh | 71, 12.333, 276.627 |
| Yxy | 42.7982, 0.2880, 0.2996 |
| Android (android.graphics.Color) | 4289114053 (0xFFA6AFC5) |
| YUV | 174.8170, 10.9362, -7.7325 |
| Hunter-Lab | 65.4203, -2.2316, -7.5971 |

Details

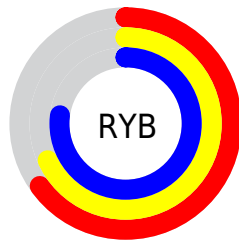
The Yxy color **42.7982, 0.2880, 0.2996** is a light color, and the websafe version is hex **999999**. A complement of this color would be **50.6149, 0.3377, 0.3568**, and the grayscale version is **42.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1215, 0.2921, 0.3041**, and **19.7265, 0.2812, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **35.6579, 0.2708, 0.2780**, and if you desaturate by 10%, it is **50.8339, 0.3041, 0.3190**.

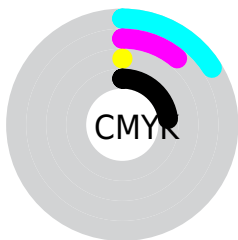
Distribution



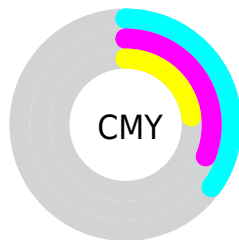
- Red (65%)
- Green (69%)
- Blue (77%)



- Red (65%)
- Yellow (68%)
- Blue (77%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)





- Cyan (35%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7982, 0.2880, 0.2996 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 42.7982, 0.2880, 0.2996 by changing the saturation by 10% instead.


 42.7982, 0.2880,
0.2996


 42.7982, 0.2880,
0.2996


357.7812, 0.3005,
0.3144

 29.7268, 0.2848,
0.2959


 79.4062, 0.2926,
0.3050

 19.6313, 0.2808,
0.2911


 103.7117, 0.2943,
0.3070

 12.1273, 0.2753,
0.2847


132.5306, 0.2957,
0.3087

 6.8305, 0.2677,
0.2758

166.2474, 0.2969,
0.3102

 3.3563, 0.2561,
0.2625

205.2465, 0.2980,
0.3114

 1.3205, 0.2369,
0.2404

249.9122, 0.2989,

 0.1570, 0.1343,

0.3125

0.1146

300.6290, 0.2998,
0.3135

0.0000, 0.0000,
0.0000

42.7982, 0.2880,
0.2996

42.7982, 0.2880,
0.2996

35.6579, 0.2708,
0.2780

50.8339, 0.3041,
0.3190

29.3756, 0.2528,
0.2543

59.7900, 0.3189,
0.3361

23.9194, 0.2344,
0.2287

69.6970, 0.3325,
0.3511

19.2527, 0.2163,
0.2020

80.5824, 0.3448,
0.3643

15.3365, 0.1993,
0.1749

90.6163, 0.3492,
0.3768

■ 12.1276, 0.1843,
0.1488

■ 96.8110, 0.3472,
0.3860

■ 9.5781, 0.1721,
0.1248

■ 7.6319, 0.1632,
0.1042

■ 6.9482, 0.1601,
0.0965

Harmonies

Analogous

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



42.7982, 0.2797, 0.3061



42.7982, 0.2880, 0.2996



42.7982, 0.3029, 0.3008

Triad

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



42.7982, 0.2880, 0.2996



42.7982, 0.3466, 0.3373



42.7982, 0.3040, 0.3504

Complementary

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



42.7982, 0.2880, 0.2996



50.6149, 0.3377, 0.3568

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.



42.7982, 0.3218, 0.3592



42.7982, 0.2880, 0.2996



42.7982, 0.3467, 0.3509

Square

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



42.7982, 0.2880, 0.2996



42.7982, 0.3370, 0.3221



42.7982, 0.3375, 0.3592



42.7982, 0.2888, 0.3355

Rectangle

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



42.7982, 0.2880, 0.2996



42.7982, 0.3149, 0.3055



42.7982, 0.3375, 0.3592



42.7982, 0.3098, 0.3542

Sweetspot

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



42.8000, 0.2880, 0.2996



92.0125, 0.3051, 0.3201



51.6610, 0.2955, 0.3411



19.4615, 0.3040, 0.3188



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.



42.8000, 0.2880, 0.2996



71.8943, 0.2820, 0.2921



40.1203, 0.2928, 0.2880



10.7783, 0.2983, 0.3121



4.6962, 0.1608, 0.0987



0.3494, 0.1727, 0.1417

Inverse Universe

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



42.2558, 0.3338, 0.3176



70.8642, 0.3397, 0.3149



53.7363, 0.3309, 0.3682



10.6865, 0.3245, 0.3223



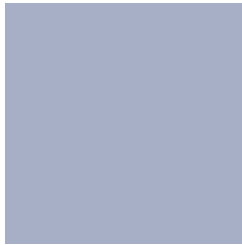
8.0141, 0.5779, 0.2957



0.3923, 0.5168, 0.2620

Previews

White Background



This preview shows how the Yxy color 42.7982, 0.2880, 0.2996 looks on a white background.

Color Contrast Check

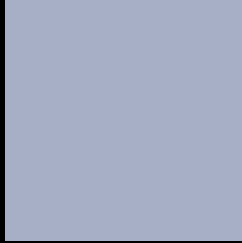
Large Text (above 18pt) WCAG AA × Fail

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 42.7982, 0.2880, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

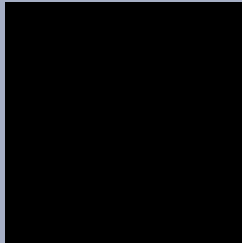
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

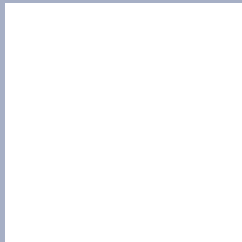
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7982, 0.2880, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 42.7982, 0.2880, 0.2996.



This preview shows how white text looks on a background with the Yxy color 42.7982, 0.2880, 0.2996.

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

42.7982, 0.2880, 0.2996

Protanopia

42.6433, 0.2935, 0.2986

Deuteranopia

42.6504, 0.2995, 0.2929



Tritanopia

42.7677, 0.2924, 0.3100

Trichromacy



Original Color

42.7982, 0.2880, 0.2996

Protanomaly

42.8037, 0.2919, 0.2998

Deuteranomaly

42.8124, 0.2953, 0.2951

Tritanomaly

42.9003, 0.2902, 0.3061

Monochromacy



Original Color

42.7982, 0.2880, 0.2996

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8495, 0.3037, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7982, 0.2880, 0.2996 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(166, 175, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 175, 197)  
}
```

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(166, 175, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 175, 197) }
```

Border

The CSS property to change the border of an element to Yxy 42.7982, 0.2880, 0.2996 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(166, 175, 197) }
```

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

```
.border{ border-color:rgb(166, 175, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 175, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 175, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 175, 197);  
box-shadow:4px 4px 4px 4px rgb(166, 175,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7982, 0.2880, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 175, 197) }
```

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

```
.background{ background-color: rgb(166,  
175, 197) }
```

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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