

Converting Colors

$Y_{xy}(40.7494, 0.2769, 0.2874)$

Have a look what the booklet for
Yxy(40.7494, 0.2769, 0.2874)
contains.

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Color

Yxy(40.5582, 0.2769, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	9DABCA
RGB	157, 171, 202
RGB Percent	62%, 67%, 79%
CMY	0.3842, 0.3294, 0.2079
CMYK	0.22, 0.15, 0.00, 0.21
HSL	221°, 30%, 70%
HSV	221°, 22%, 79%
XYZ	39.1309, 40.5582, 61.6287
YIQ	170.3480, -18.2950, 6.6730

Conversions

Conversions Part 2

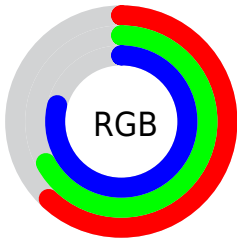
Format	Color
RYB	157, 168, 202
Decimal	10333130
CIELab	69.87, 1.85, -17.40
CIElCh	70, 17.494, 276.077
Yxy	40.5582, 0.2769, 0.2870
Android (android.graphics.Color)	4288523210 (0xFF9DABCA)
YUV	170.3480, 15.6044, -11.7062
Hunter-Lab	63.6853, -1.7715, -12.7956

Details

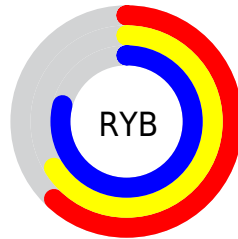
The Yxy color $40.5582, 0.2769, 0.2870$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $50.9623, 0.3494, 0.3677$, and the grayscale version is $40.3116, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.6098, 0.2857, 0.2984$, and $18.3350, 0.2663, 0.2748$ is the 20% darker color. If you saturate the color by 10%, you get $33.7071, 0.2593, 0.2647$, and if you desaturate by 10%, it is $48.3026, 0.2937, 0.3072$.

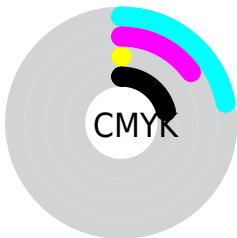
Distribution



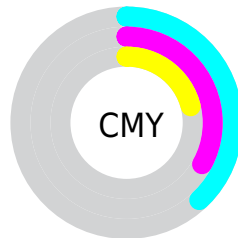
- Red (62%)
- Green (67%)
- Blue (79%)



- Red (62%)
- Yellow (66%)
- Blue (79%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5582, 0.2769, 0.2870 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 40.5582, 0.2769, 0.2870 by changing the saturation by 10% instead.

■ 40.5582, 0.2769,
0.2870

■ 40.5582, 0.2769,
0.2870

348.4707, 0.2951,
0.3082

■ 27.9740, 0.2723,
0.2817

■ 76.0128, 0.2836,
0.2947

■ 18.3061, 0.2663,
0.2748

■ 99.6520, 0.2861,
0.2976

■ 11.1700, 0.2584,
0.2657

127.7450, 0.2881,
0.3001

■ 6.1813, 0.2472,
0.2529

160.6761, 0.2899,
0.3022

■ 2.9556, 0.2304,
0.2339

198.8299, 0.2915,
0.3040

■ 1.1086, 0.2028,
0.2031

242.5907, 0.2928,

■ 0.0000, 0.0248,

0.3056

0.0000

292.3428, 0.2940,
0.3070

0.0000, 0.0000,
0.0000

40.5582, 0.2769,
0.2870

40.5582, 0.2769,
0.2870

33.7071, 0.2593,
0.2647

48.3026, 0.2937,
0.3072

27.7106, 0.2411,
0.2404

56.9669, 0.3094,
0.3252

22.5348, 0.2231,
0.2148

66.5829, 0.3238,
0.3412

18.1409, 0.2059,
0.1884

77.1793, 0.3370,
0.3551

14.4870, 0.1903,
0.1623

88.2051, 0.3469,
0.3676

■ 11.5265, 0.1772,
0.1378

■ 96.7478, 0.3443,
0.3806

■ 9.2061, 0.1672,
0.1159

■ 97.0432, 0.3442,
0.3810

■ 7.7902, 0.1615,
0.1013

Harmonies

Analogous

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



40.5582, 0.2655, 0.2960



40.5582, 0.2769, 0.2870



40.5582, 0.2980, 0.2887

Triad

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



40.5582, 0.2769, 0.2870



40.5582, 0.3617, 0.3401



40.5582, 0.3003, 0.3607

Complementary

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



40.5582, 0.2769, 0.2870



50.9623, 0.3494, 0.3677

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.



40.5582, 0.3260, 0.3733



40.5582, 0.2769, 0.2870



40.5582, 0.3621, 0.3599

Square

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



40.5582, 0.2769, 0.2870



40.5582, 0.3475, 0.3185



40.5582, 0.3488, 0.3725



40.5582, 0.2786, 0.3387

Rectangle

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



40.5582, 0.2769, 0.2870



40.5582, 0.3151, 0.2954



40.5582, 0.3488, 0.3725



40.5582, 0.3087, 0.3663

Sweetspot

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



40.5598, 0.2769, 0.2870



89.1693, 0.3019, 0.3168



53.0222, 0.2891, 0.3478



18.8941, 0.3009, 0.3157



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.



40.5598, 0.2769, 0.2870



62.5651, 0.2680, 0.2758



36.4183, 0.2824, 0.2686



11.4031, 0.2983, 0.3126



5.1549, 0.1621, 0.1036



0.4017, 0.1733, 0.1438

Inverse Universe

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



39.6198, 0.3439, 0.3113



60.9724, 0.3533, 0.3070



56.1009, 0.3391, 0.3852



11.2701, 0.3242, 0.3218



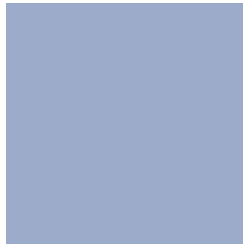
8.3234, 0.5704, 0.2916



0.4431, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 40.5582, 0.2769, 0.2870 looks on a white background.

Color Contrast Check

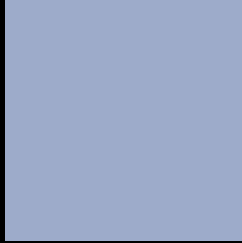
Large Text (above 18pt) WCAG AA × Fail

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 40.5582, 0.2769, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

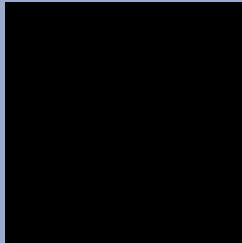
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5582, 0.2769, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 40.5582, 0.2769, 0.2870.



This preview shows how white text looks on a background with the Yxy color 40.5582, 0.2769, 0.2870.

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

40.5582, 0.2769, 0.2870

Protanopia

40.4855, 0.2830, 0.2861

Deuteranopia

40.6072, 0.2871, 0.2817



Tritanopia

40.7300, 0.2856, 0.3108

Trichromacy



Original Color

40.5582, 0.2769, 0.2870

Protanomaly

40.5436, 0.2807, 0.2872

Deuteranomaly

40.4241, 0.2831, 0.2825

Tritanomaly

40.6615, 0.2827, 0.3026

Monochromacy



Original Color

40.5582, 0.2769, 0.2870

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1262, 0.2985, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5582, 0.2769, 0.2870 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(157, 171, 202)` looks like.

```
.text, #text, p{  
    color:rgb(157, 171, 202)  
}
```

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(157, 171, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 171, 202) }
```

Border

The CSS property to change the border of an element to Yxy 40.5582, 0.2769, 0.2870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

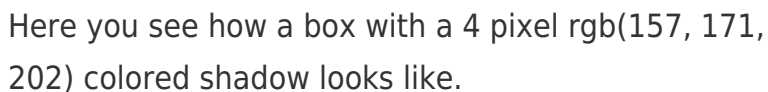
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 171, 202) }
```

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

```
.border{ border-color:rgb(157, 171, 202) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 171, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 171, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 171, 202); box-shadow:4px 4px 4px 4px rgb(157, 171, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5582, 0.2769, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 171, 202) }
```

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

```
.background{ background-color: rgb(157,  
171, 202) }
```

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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