

Converting Colors

$Y_{xy}(42.2211, 0.2578, 0.2518)$

Have a look what the booklet for
Yxy(42.2211, 0.2578, 0.2518)
contains.

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Color

Yxy(42.2211, 0.2578, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	9EABE8
RGB	158, 171, 232
RGB Percent	62%, 67%, 91%
CMY	0.3805, 0.3294, 0.0901
CMYK	0.32, 0.26, 0.00, 0.09
HSL	229°, 62%, 76%
HSV	229°, 32%, 91%
XYZ	43.2272, 42.2211, 82.2289
YIQ	174.0670, -27.3290, 16.2150

Conversions

Conversions Part 2

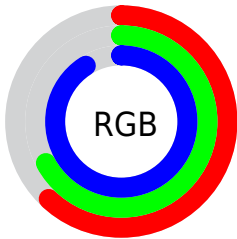
Format	Color
R _Y B	158, 169, 232
Decimal	10398696
CIE Lab	71.02, 9.41, -32.09
CIE LCh	71, 33.443, 286.346
Yxy	42.2211, 0.2578, 0.2518
Android (android.graphics.Color)	4288588776 (0xFF9EABE8)
YUV	174.0670, 28.5610, -14.0908
Hunter-Lab	64.9778, 5.0380, -29.5466

Details

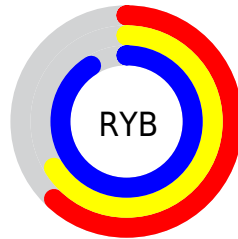
The Yxy color **42.2211, 0.2578, 0.2518** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.2840, 0.3649, 0.3958**, and the grayscale version is **42.2240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9089, 0.2870, 0.2985**, and **19.2713, 0.2423, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **33.3800, 0.2382, 0.2225**, and if you desaturate by 10%, it is **52.5543, 0.2766, 0.2789**.

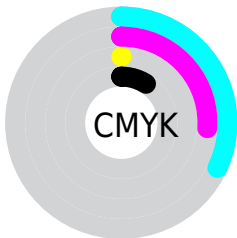
Distribution



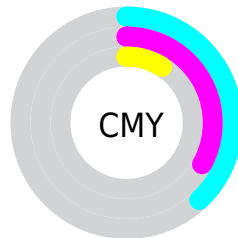
- Red (62%)
- Green (67%)
- Blue (91%)



- Red (62%)
- Yellow (66%)
- Blue (91%)



- Cyan (32%)
- Magenta (26%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2211, 0.2578, 0.2518 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 42.2211, 0.2578, 0.2518 by changing the saturation by 10% instead.

■ 42.2211, 0.2578,
0.2518

■ 42.2211, 0.2578,
0.2518

■ 355.3987, 0.2853,
0.2894

■ 29.2745, 0.2510,
0.2428

■ 78.5341, 0.2678,
0.2652

■ 19.2885, 0.2424,
0.2316

■ 102.6693, 0.2715,
0.2703

■ 11.8790, 0.2310,
0.2172

■ 131.3028, 0.2747,
0.2746

■ 6.6613, 0.2157,
0.1980

■ 164.8190, 0.2774,
0.2784

■ 3.2512, 0.1938,
0.1717

■ 203.6023, 0.2798,
0.2817

■ 1.2642, 0.1612,
0.1343

■ 248.0371, 0.2819,

■ 0.1133, 0.0935,

0.2845

0.0314

298.5077, 0.2837,
0.2871

0.0000, 0.0000,
0.0000

42.2211, 0.2578,
0.2518

42.2211, 0.2578,
0.2518

33.3800, 0.2382,
0.2225

52.5543, 0.2766,
0.2789

25.9563, 0.2184,
0.1918

64.4397, 0.2940,
0.3034

19.8764, 0.1994,
0.1611

77.9401, 0.3099,
0.3252

15.0575, 0.1825,
0.1320

93.1133, 0.3241,
0.3442

11.4074, 0.1687,
0.1065

98.6073, 0.3262,
0.3512

■ 8.8205, 0.1590,
0.0862

■ 7.4017, 0.1540,
0.0742

Harmonies

Analogous

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



42.2211, 0.2315, 0.2596



42.2211, 0.2578, 0.2518



42.2211, 0.3002, 0.2618

Triad

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



42.2211, 0.2578, 0.2518



42.2211, 0.4091, 0.3598



42.2211, 0.2733, 0.3774

Complementary

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



42.2211, 0.2578, 0.2518



70.2840, 0.3649, 0.3958

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.



42.2211, 0.3192, 0.4102



42.2211, 0.2578, 0.2518



42.2211, 0.3991, 0.3944

Square

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



42.2211, 0.2578, 0.2518



42.2211, 0.3907, 0.3213



42.2211, 0.3655, 0.4150



42.2211, 0.2396, 0.3296

Rectangle

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



42.2211, 0.2578, 0.2518



42.2211, 0.3331, 0.2770



42.2211, 0.3655, 0.4150



42.2211, 0.2877, 0.3909

Sweetspot

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



42.2227, 0.2578, 0.2518



82.7991, 0.2971, 0.3077



70.0762, 0.2743, 0.3452



17.2403, 0.2947, 0.3044



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.



42.2227, 0.2578, 0.2518



45.2190, 0.2455, 0.2336



40.1481, 0.2738, 0.2393



14.2952, 0.2980, 0.3090



4.2362, 0.1545, 0.0762



0.4339, 0.1613, 0.1007

Inverse Universe

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



44.5454, 0.3729, 0.3143



48.8490, 0.3902, 0.3113



73.6851, 0.3434, 0.4134



14.4092, 0.3265, 0.3249



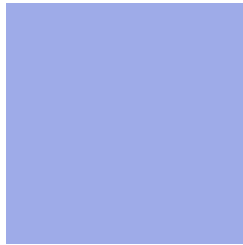
9.6254, 0.6130, 0.3151



0.7235, 0.5748, 0.2940

Previews

White Background



This preview shows how the Yxy color 42.2211, 0.2578, 0.2518 looks on a white background.

Color Contrast Check

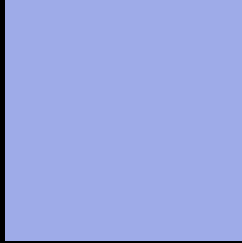
Large Text (above 18pt) WCAG AA × Fail

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 42.2211, 0.2578, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

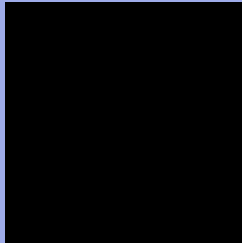
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2211, 0.2578, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 42.2211, 0.2578, 0.2518.



This preview shows how white text looks on a background with the Yxy color 42.2211, 0.2578, 0.2518.

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

42.2211, 0.2578, 0.2518

Protanopia

42.0199, 0.2564, 0.2515

Deuteranopia

42.2211, 0.2578, 0.2518



Tritanopia

42.0806, 0.2778, 0.3081

Trichromacy



Original Color

42.2211, 0.2578, 0.2518

Protanomaly

42.1201, 0.2571, 0.2517

Deuteranomaly

42.2211, 0.2578, 0.2518

Tritanomaly

41.8403, 0.2701, 0.2858

Monochromacy



Original Color

42.2211, 0.2578, 0.2518

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.1521, 0.2910, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2211, 0.2578, 0.2518 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(158, 171, 232)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 232)  
}
```

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(158, 171, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 232) }
```

Border

The CSS property to change the border of an element to Yxy 42.2211, 0.2578, 0.2518 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(158, 171, 232) }
```

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

```
.border{ border-color:rgb(158, 171, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 171, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 171, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 171, 232);  
box-shadow:4px 4px 4px 4px rgb(158, 171,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2211, 0.2578, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 232) }
```

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

```
.background{ background-color: rgb(158,  
171, 232) }
```

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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