

Converting Colors

$Y_{xy}(40.8275, 0.2570, 0.2606)$

Have a look what the booklet for
Yxy(40.8275, 0.2570, 0.2606)
contains.

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Color

Yxy(40.8431, 0.2570, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	95ABDF
RGB	149, 171, 223
RGB Percent	58%, 67%, 87%
CMY	0.4160, 0.3293, 0.1256
CMYK	0.33, 0.23, 0.00, 0.13
HSL	222°, 54%, 73%
HSV	222°, 33%, 87%
XYZ	40.2634, 40.8431, 75.5605
YIQ	170.3500, -29.8040, 11.5080

Conversions

Conversions Part 2

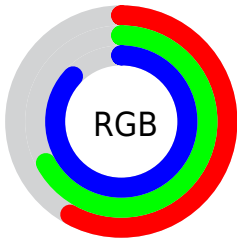
Format	Color
R _Y B	149, 166, 223
Decimal	9808863
CIE Lab	70.07, 4.54, -28.68
CIE LCh	70, 29.037, 278.999
Yxy	40.8431, 0.2570, 0.2607
Android (android.graphics.Color)	4287998943 (0xFF95ABDF)
YUV	170.3500, 25.9565, -18.7239
Hunter-Lab	63.9086, 0.6178, -25.3638

Details

The Yxy color $40.8431, 0.2570, 0.2607$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $59.5684, 0.3702, 0.3889$, and the grayscale version is $40.2554, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.5918, 0.2813, 0.2980$, and $18.5076, 0.2412, 0.2415$ is the 20% darker color. If you saturate the color by 10%, you get $33.3805, 0.2386, 0.2357$, and if you desaturate by 10%, it is $49.4097, 0.2749, 0.2838$.

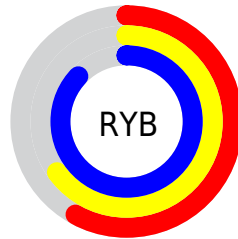
Distribution



Red (58%)

Green (67%)

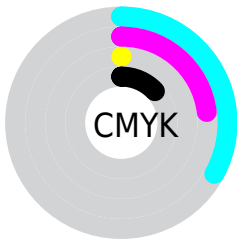
Blue (87%)



Red (58%)

Yellow (65%)

Blue (87%)

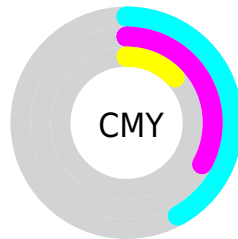


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8431, 0.2570, 0.2607 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 40.8431, 0.2570, 0.2607 by changing the saturation by 10% instead.

■ 40.8431, 0.2570,
0.2607

■ 40.8431, 0.2570,
0.2607

349.6644, 0.2850,
0.2945

■ 28.1965, 0.2501,
0.2524

■ 76.4457, 0.2672,
0.2729

■ 18.4738, 0.2412,
0.2420

■ 100.1704, 0.2710,
0.2775

■ 11.2907, 0.2295,
0.2284

128.3567, 0.2742,
0.2814

■ 6.2627, 0.2136,
0.2100

161.3888, 0.2770,
0.2848

■ 3.0055, 0.1907,
0.1841

199.6513, 0.2794,
0.2877

■ 1.1346, 0.1561,
0.1458

243.5285, 0.2815,

■ 0.0073, 0.0459,

0.2903

0.0028

293.4047, 0.2834,
0.2925

0.0000, 0.0000,
0.0000

40.8431, 0.2570,
0.2607

40.8431, 0.2570,
0.2607

33.3805, 0.2386,
0.2357

49.4097, 0.2749,
0.2838

26.9698, 0.2204,
0.2093

59.1199, 0.2920,
0.3048

21.5617, 0.2031,
0.1823

70.0169, 0.3079,
0.3235

17.1005, 0.1876,
0.1559

82.1402, 0.3225,
0.3400

13.5240, 0.1747,
0.1313

94.4866, 0.3323,
0.3547

■ 10.7610, 0.1652,
0.1098

■ 98.1068, 0.3316,
0.3602

■ 9.2885, 0.1604,
0.0974

Harmonies

Analogous

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



40.8431, 0.2375, 0.2722



40.8431, 0.2570, 0.2607



40.8431, 0.2918, 0.2658

Triad

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



40.8431, 0.2570, 0.2607



40.8431, 0.3955, 0.3486



40.8431, 0.2876, 0.3799

Complementary

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



40.8431, 0.2570, 0.2607



59.5684, 0.3702, 0.3889

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.



40.8431, 0.3293, 0.4031



40.8431, 0.2570, 0.2607



40.8431, 0.3931, 0.3806

Square

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



40.8431, 0.2570, 0.2607



40.8431, 0.3737, 0.3144



40.8431, 0.3682, 0.4020



40.8431, 0.2541, 0.3403

Rectangle

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



40.8431, 0.2570, 0.2607



40.8431, 0.3202, 0.2772



40.8431, 0.3682, 0.4020



40.8431, 0.3011, 0.3901

Sweetspot

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



40.8447, 0.2570, 0.2607



84.5932, 0.2971, 0.3109



63.3542, 0.2778, 0.3572



17.6715, 0.2948, 0.3082



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.



40.8447, 0.2570, 0.2607



48.0431, 0.2440, 0.2431



34.6606, 0.2649, 0.2336



13.9068, 0.2981, 0.3121



5.6350, 0.1611, 0.1000



0.5438, 0.1696, 0.1306

Inverse Universe

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



40.0962, 0.3666, 0.3030



47.4799, 0.3834, 0.2973



68.3681, 0.3512, 0.4149



13.7675, 0.3245, 0.3220



9.4769, 0.5759, 0.2946



0.6723, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 40.8431, 0.2570, 0.2607 looks on a white background.

Color Contrast Check

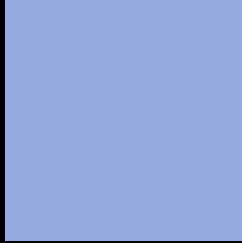
Large Text (above 18pt) WCAG AA × Fail

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 40.8431, 0.2570, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

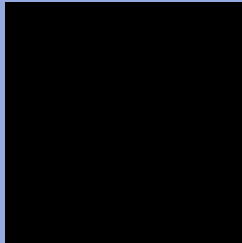
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

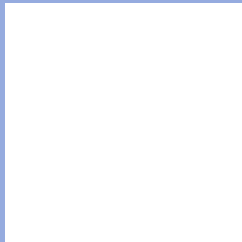
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8431, 0.2570, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 40.8431, 0.2570, 0.2607.



This preview shows how white text looks on a background with the Yxy color 40.8431, 0.2570, 0.2607.

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

40.8431, 0.2570, 0.2607

Protanopia

40.7645, 0.2637, 0.2613

Deuteranopia

40.7580, 0.2631, 0.2568



Tritanopia

40.9567, 0.2738, 0.3091

Trichromacy



Original Color

40.8431, 0.2570, 0.2607

Protanomaly

40.8934, 0.2610, 0.2611

Deuteranomaly

40.7263, 0.2603, 0.2576

Tritanomaly

40.9915, 0.2676, 0.2903

Monochromacy



Original Color

40.8431, 0.2570, 0.2607

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1050, 0.2904, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8431, 0.2570, 0.2607 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(149, 171, 223)` looks like.

```
.text, #text, p{  
    color:rgb(149, 171, 223)  
}
```

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(149, 171, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 171, 223) }
```

Border

The CSS property to change the border of an element to Yxy 40.8431, 0.2570, 0.2607 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(149, 171, 223) }
```

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

```
.border{ border-color:rgb(149, 171, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 171, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 171, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 171, 223);  
box-shadow:4px 4px 4px 4px rgb(149, 171,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8431, 0.2570, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 171, 223) }
```

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

```
.background{ background-color: rgb(149,  
171, 223) }
```

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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