

Converting Colors

$Y_{xy}(40.7800, 0.2643, 0.2659)$

Have a look what the booklet for
Yxy(40.7800, 0.2643, 0.2659)
contains.

Yxy(40.7800, 0.2643, 0.2659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7800, 0.2643, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	9BAADA
RGB	155, 170, 218
RGB Percent	61%, 67%, 85%
CMY	0.3924, 0.3332, 0.1452
CMYK	0.29, 0.22, 0.00, 0.15
HSL	226°, 46%, 73%
HSV	226°, 29%, 85%
XYZ	40.5346, 40.7800, 72.0513
YIQ	170.9870, -24.3480, 11.7480

Conversions

Conversions Part 2

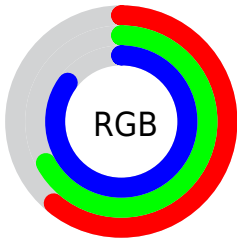
Format	Color
RYB	155, 167, 218
Decimal	10201818
CIELab	70.02, 5.57, -25.97
CIELCh	70, 26.562, 282.113
Yxy	40.7800, 0.2643, 0.2659
Android (android.graphics.Color)	4288391898 (0xFF9BAADA)
YUV	170.9870, 23.1774, -14.0206
Hunter-Lab	63.8592, 1.5492, -22.1945

Details

The Yxy color $40.7800, 0.2643, 0.2659$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $59.9242, 0.3607, 0.3850$, and the grayscale version is $40.6036, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.9193, 0.2850, 0.2973$, and $18.4260, 0.2502, 0.2483$ is the 20% darker color. If you saturate the color by 10%, you get $32.9872, 0.2455, 0.2396$, and if you desaturate by 10%, it is $49.7492, 0.2822, 0.2900$.

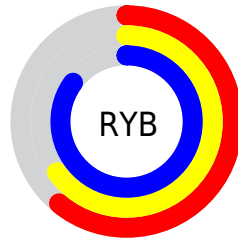
Distribution



Red (61%)

Green (67%)

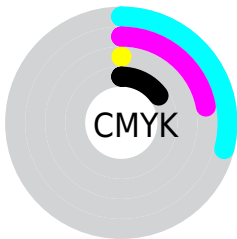
Blue (85%)



Red (61%)

Yellow (65%)

Blue (85%)

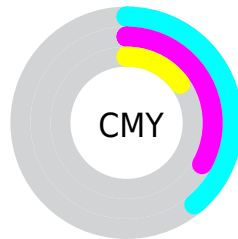


Cyan (29%)

Magenta (22%)

Yellow (0%)

Black (15%)



Cyan (39%)

Magenta (33%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7800, 0.2643, 0.2659 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 40.7800, 0.2643, 0.2659 by changing the saturation by 10% instead.

■ 40.7800, 0.2643,
0.2659

■ 40.7800, 0.2643,
0.2659

■ 349.4003, 0.2888,
0.2972

■ 28.1472, 0.2582,
0.2582

■ 76.3498, 0.2732,
0.2772

■ 18.4367, 0.2503,
0.2485

■ 100.0556, 0.2766,
0.2815

■ 11.2639, 0.2399,
0.2357

■ 128.2213, 0.2794,
0.2851

■ 6.2447, 0.2256,
0.2184

■ 161.2311, 0.2818,
0.2882

■ 2.9944, 0.2047,
0.1937

■ 199.4695, 0.2839,
0.2909

■ 1.1288, 0.1722,
0.1566

■ 243.3209, 0.2857,

■ 0.0024, 0.0619,

0.2933

0.0011

293.1697, 0.2873,
0.2954

0.0000, 0.0000,
0.0000

40.7800, 0.2643,
0.2659

40.7800, 0.2643,
0.2659

32.9872, 0.2455,
0.2396

49.7492, 0.2822,
0.2900

26.3159, 0.2265,
0.2115

59.9369, 0.2989,
0.3117

20.7139, 0.2080,
0.1827

71.3890, 0.3143,
0.3310

16.1228, 0.1909,
0.1544

84.1475, 0.3282,
0.3478

12.4780, 0.1764,
0.1280

96.5214, 0.3348,
0.3632

■ 9.7066, 0.1652,
0.1051

■ 97.8410, 0.3346,
0.3651

■ 7.7119, 0.1577,
0.0869

■ 7.5342, 0.1570,
0.0852

Harmonies

Analogous

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



40.7800, 0.2446, 0.2751



40.7800, 0.2643, 0.2659



40.7800, 0.2976, 0.2719

Triad

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



40.7800, 0.2643, 0.2659



40.7800, 0.3893, 0.3506



40.7800, 0.2861, 0.3720

Complementary

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



40.7800, 0.2643, 0.2659



59.9242, 0.3607, 0.3850

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.



40.7800, 0.3241, 0.3953



40.7800, 0.2643, 0.2659



40.7800, 0.3849, 0.3793

Square

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



40.7800, 0.2643, 0.2659



40.7800, 0.3714, 0.3190



40.7800, 0.3605, 0.3969



40.7800, 0.2565, 0.3355

Rectangle

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



40.7800, 0.2643, 0.2659



40.7800, 0.3238, 0.2834



40.7800, 0.3605, 0.3969



40.7800, 0.2983, 0.3819

Sweetspot

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



40.7816, 0.2643, 0.2659



85.2686, 0.2987, 0.3114



61.3694, 0.2800, 0.3489



17.7714, 0.2963, 0.3084



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.



40.7816, 0.2643, 0.2659



50.8913, 0.2524, 0.2493



37.1034, 0.2748, 0.2482



13.1209, 0.2981, 0.3107



4.6546, 0.1576, 0.0874



0.4356, 0.1663, 0.1186

Inverse Universe

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



41.2248, 0.3611, 0.3109



52.0346, 0.3762, 0.3068



65.0845, 0.3438, 0.4040



13.1024, 0.3254, 0.3234



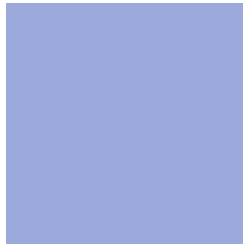
9.0936, 0.5952, 0.3052



0.6027, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 40.7800, 0.2643, 0.2659 looks on a white background.

Color Contrast Check

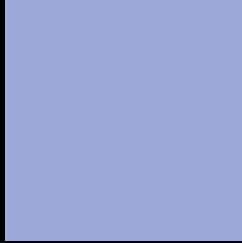
Large Text (above 18pt) WCAG AA × Fail

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 40.7800, 0.2643, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

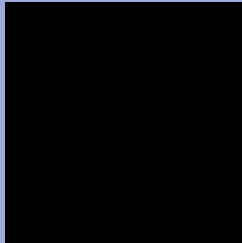
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7800, 0.2643, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 40.7800, 0.2643, 0.2659.



This preview shows how white text looks on a background with the Yxy color 40.7800, 0.2643, 0.2659.

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

40.7800, 0.2643, 0.2659

Protanopia

40.7566, 0.2678, 0.2662

Deuteranopia

40.7486, 0.2693, 0.2641



Tritanopia

40.7236, 0.2803, 0.3092

Trichromacy



Original Color

40.7800, 0.2643, 0.2659

Protanomaly

40.6548, 0.2671, 0.2660

Deuteranomaly

40.8088, 0.2672, 0.2650

Tritanomaly

40.6366, 0.2738, 0.2918

Monochromacy



Original Color

40.7800, 0.2643, 0.2659

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7560, 0.2938, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7800, 0.2643, 0.2659 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(155, 170, 218)` looks like.

```
.text, #text, p{  
    color:rgb(155, 170, 218)  
}
```

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(155, 170, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 170, 218) }
```

Border

The CSS property to change the border of an element to Yxy 40.7800, 0.2643, 0.2659 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(155, 170, 218) }
```

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

```
.border{ border-color:rgb(155, 170, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 170, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 170, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 170, 218);  
box-shadow:4px 4px 4px 4px rgb(155, 170,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7800, 0.2643, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 170, 218) }
```

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

```
.background{ background-color: rgb(155,  
170, 218) }
```

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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