

Converting Colors

$Y_{xy}(40.0531, 0.2687, 0.3014)$

Have a look what the booklet for
Yxy(40.0531, 0.2687, 0.3014)
contains.

Yxy(40.0440, 0.2693, 0.3019)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.0440, 0.2693, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	8BAFC2
RGB	139, 175, 194
RGB Percent	55%, 69%, 76%
CMY	0.4547, 0.3137, 0.2393
CMYK	0.28, 0.10, 0.00, 0.24
HSL	201°, 31%, 65%
HSV	201°, 28%, 76%
XYZ	35.7199, 40.0440, 56.8760
YIQ	166.4020, -27.5550, -1.7230

Conversions

Conversions Part 2

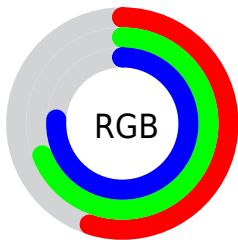
Format	Color
RYB	139, 161, 194
Decimal	9154498
CIELab	69.50, -7.72, -13.66
CIElCh	70, 15.685, 240.536
Yxy	40.0440, 0.2693, 0.3019
Android (android.graphics.Color)	4287344578 (0xFF8BAFC2)
YUV	166.4020, 13.6058, -24.0316
Hunter-Lab	63.2803, -9.9824, -8.9933

Details

The Yxy color $40.0440, 0.2693, 0.3019$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $37.8019, 0.3671, 0.3545$, and the grayscale version is $38.2858, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5862, 0.2773, 0.3072$, and $18.0856, 0.2569, 0.2950$ is the 20% darker color. If you saturate the color by 10%, you get $35.9744, 0.2544, 0.2906$, and if you desaturate by 10%, it is $44.5428, 0.2846, 0.3123$.

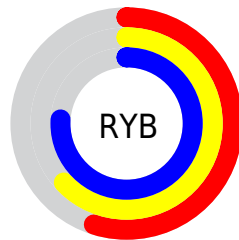
Distribution



Red (55%)

Green (69%)

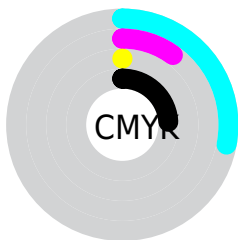
Blue (76%)



Red (55%)

Yellow (63%)

Blue (76%)

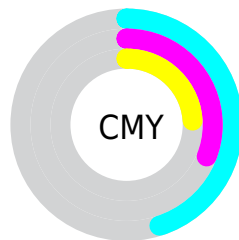


Cyan (28%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (45%)

Magenta (31%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0440, 0.2693, 0.3019 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 40.0440, 0.2693, 0.3019 by changing the saturation by 10% instead.

■ 40.0440, 0.2693,
0.3019

■ 40.0440, 0.2693,
0.3019

■ 346.3090, 0.2912,
0.3160

■ 27.5729, 0.2638,
0.2982

■ 75.2305, 0.2773,
0.3071

■ 18.0039, 0.2566,
0.2934

■ 98.7147, 0.2803,
0.3091

■ 10.9528, 0.2471,
0.2868

■ 126.6386, 0.2828,
0.3107

■ 6.0351, 0.2338,
0.2774

■ 159.3867, 0.2850,
0.3121

■ 2.8664, 0.2138,
0.2627

■ 197.3434, 0.2869,
0.3133

■ 1.0624, 0.1812,
0.2373

■ 240.8931, 0.2885,

■ 0.0000, 0.0000,

0.3143

0.0000

290.4202, 0.2900,
0.3152

■ 40.0440, 0.2693,
0.3019

■ 40.0440, 0.2693,
0.3019

■ 35.9744, 0.2544,
0.2906

■ 44.5428, 0.2846,
0.3123

■ 32.3117, 0.2403,
0.2786

■ 49.4823, 0.3000,
0.3218

■ 29.0385, 0.2273,
0.2660

■ 54.8794, 0.3153,
0.3304

■ 26.1338, 0.2158,
0.2529

■ 60.7487, 0.3301,
0.3381

■ 23.5742, 0.2062,
0.2396

■ 67.1039, 0.3445,
0.3449

■ 21.3324, 0.1986,
0.2264

■ 73.8739, 0.3578,
0.3509

■ 19.3666, 0.1929,
0.2135

■ 77.3646, 0.3563,
0.3576

■ 19.0526, 0.1920,
0.2113

■ 80.9971, 0.3548,
0.3642

■ 84.7728, 0.3532,
0.3707

Harmonies

Analogous

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



40.0440, 0.2719, 0.3200



40.0440, 0.2693, 0.3019



40.0440, 0.2777, 0.2919

Triad

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



40.0440, 0.2693, 0.3019



40.0440, 0.3406, 0.3162



40.0440, 0.3289, 0.3695

Complementary

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



40.0440, 0.2693, 0.3019



37.8019, 0.3671, 0.3545

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.



40.0440, 0.3482, 0.3668



40.0440, 0.2693, 0.3019



40.0440, 0.3553, 0.3355

Square

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



40.0440, 0.2693, 0.3019



40.0440, 0.3184, 0.3004



40.0440, 0.3580, 0.3540



40.0440, 0.3058, 0.3603

Rectangle

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



40.0440, 0.2693, 0.3019



40.0440, 0.2887, 0.2906



40.0440, 0.3580, 0.3540



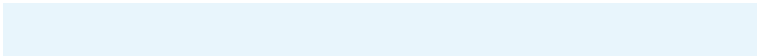
40.0440, 0.3361, 0.3699

Sweetspot

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



40.0456, 0.2693, 0.3019



89.8434, 0.3003, 0.3220



46.5172, 0.2963, 0.3822



19.3621, 0.2980, 0.3206



0.0000, 0.0000, 0.0000



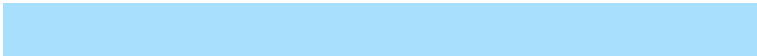
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.0456, 0.2693, 0.3019



67.8863, 0.2600, 0.2950



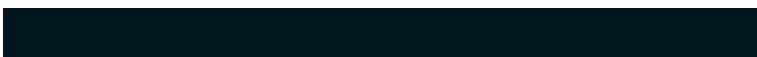
30.6333, 0.2652, 0.2619



10.8232, 0.2984, 0.3209



12.6865, 0.1925, 0.2130



0.6727, 0.2005, 0.2419

Inverse Universe

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



33.0430, 0.3349, 0.2821



53.5925, 0.3412, 0.2715



47.9597, 0.3579, 0.3882



10.1864, 0.3189, 0.3140



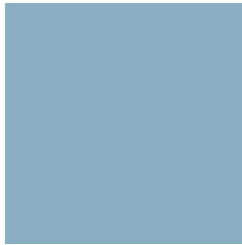
8.5629, 0.4308, 0.2147



0.3825, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 40.0440, 0.2693, 0.3019 looks on a white background.

Color Contrast Check

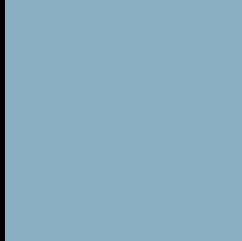
Large Text (above 18pt) WCAG AA × Fail

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 40.0440, 0.2693, 0.3019 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

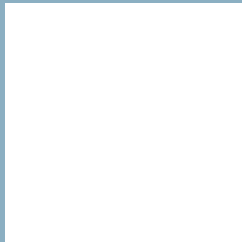
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0440, 0.2693, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 40.0440, 0.2693, 0.3019.



This preview shows how white text looks on a background with the Yxy color 40.0440, 0.2693, 0.3019.

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

40.0440, 0.2693, 0.3019

Protanopia

39.8300, 0.2930, 0.2990

Deuteranopia

39.7800, 0.2942, 0.2879



Tritanopia

40.1716, 0.2714, 0.3088

Trichromacy



Original Color

40.0440, 0.2693, 0.3019

Protanomaly

39.9553, 0.2840, 0.3012

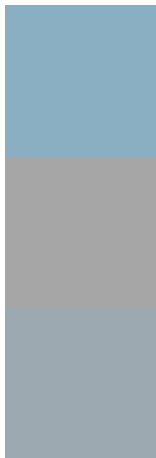
Deuteranomaly

39.8931, 0.2850, 0.2935

Tritanomaly

40.2155, 0.2707, 0.3074

Monochromacy



Original Color

40.0440, 0.2693, 0.3019

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5784, 0.2954, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0440, 0.2693, 0.3019 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(139, 175, 194)` looks like.

```
.text, #text, p{  
    color:rgb(139, 175, 194)  
}
```

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(139, 175, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 175, 194) }
```

Border

The CSS property to change the border of an element to Yxy 40.0440, 0.2693, 0.3019 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(139, 175, 194) }
```

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

```
.border{ border-color:rgb(139, 175, 194) }
```

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

Here you see how a box with a 4 pixel rgb(139, 175, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 175, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 175, 194);  
box-shadow:4px 4px 4px 4px rgb(139, 175,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0440, 0.2693, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 175, 194) }
```

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

```
.background{ background-color: rgb(139,  
175, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor