

Converting Colors

$Y_{xy}(40.7649, 0.2795, 0.3115)$

Have a look what the booklet for
Yxy(40.7649, 0.2795, 0.3115)
contains.

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Color

Yxy(40.8846, 0.2795, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	93B0BC
RGB	147, 176, 188
RGB Percent	58%, 69%, 74%
CMY	0.4238, 0.3097, 0.2628
CMYK	0.22, 0.06, 0.00, 0.26
HSL	197°, 23%, 66%
HSV	197°, 22%, 74%
XYZ	36.6258, 40.8846, 53.5300
YIQ	168.6970, -21.1360, -2.4160

Conversions

Conversions Part 2

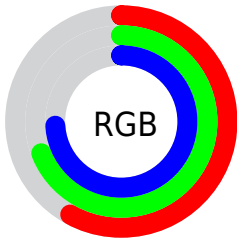
Format	Color
R_{YB}	147, 164, 188
Decimal	9679036
CIE Lab	70.09, -7.25, -9.41
CIE LCh	70, 11.880, 232.380
Yxy	40.8846, 0.2795, 0.3120
Android (android.graphics.Color)	4287869116 (0xFF93B0BC)
YUV	168.6970, 9.5164, -19.0283
Hunter-Lab	63.9411, -9.6511, -4.8775

Details

The Yxy color **40.8846, 0.2795, 0.3120** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5594, 0.3529, 0.3454**, and the grayscale version is **39.4743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8014, 0.2861, 0.3159**, and **18.6514, 0.2702, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **37.1824, 0.2647, 0.3031**, and if you desaturate by 10%, it is **44.9609, 0.2947, 0.3202**.

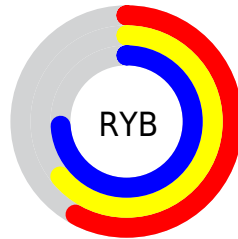
Distribution



Red (58%)

Green (69%)

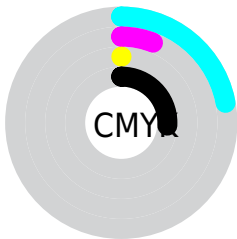
Blue (74%)



Red (58%)

Yellow (64%)

Blue (74%)

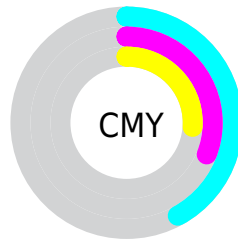


Cyan (22%)

Magenta (6%)

Yellow (0%)

Black (26%)



Cyan (42%)

Magenta (31%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8846, 0.2795, 0.3120 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 40.8846, 0.2795, 0.3120 by changing the saturation by 10% instead.

■ 40.8846, 0.2795,
0.3120

■ 40.8846, 0.2795,
0.3120

■ 349.8381, 0.2963,
0.3208

■ 28.2289, 0.2752,
0.3097

■ 76.5087, 0.2856,
0.3153

■ 18.4983, 0.2698,
0.3066

■ 100.2459, 0.2879,
0.3165

■ 11.3083, 0.2624,
0.3025

■ 128.4457, 0.2899,
0.3175

■ 6.2746, 0.2520,
0.2964

■ 161.4926, 0.2915,
0.3184

■ 3.0128, 0.2364,
0.2870

■ 199.7708, 0.2930,
0.3191

■ 1.1384, 0.2102,
0.2700

■ 243.6649, 0.2942,

■ 0.0105, 0.0000,

0.3198

0.0155

293.5592, 0.2953,
0.3203

0.0000, 0.0000,
0.0000

40.8846, 0.2795,
0.3120

40.8846, 0.2795,
0.3120

37.1824, 0.2647,
0.3031

44.9609, 0.2947,
0.3202

33.8344, 0.2506,
0.2934

49.4201, 0.3099,
0.3277

30.8264, 0.2375,
0.2833

54.2770, 0.3250,
0.3344

28.1410, 0.2257,
0.2726

59.5438, 0.3398,
0.3404

25.7589, 0.2157,
0.2618

65.2323, 0.3540,
0.3458

■ 23.6580, 0.2076,
0.2508

■ 70.4449, 0.3639,
0.3507

■ 21.8122, 0.2014,
0.2398

■ 73.1793, 0.3625,
0.3563

■ 20.4538, 0.1975,
0.2310

■ 76.0072, 0.3611,
0.3617

■ 78.9294, 0.3597,
0.3671

Harmonies

Analogous

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



40.8846, 0.2838, 0.3268



40.8846, 0.2795, 0.3120



40.8846, 0.2837, 0.3023

Triad

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



40.8846, 0.2795, 0.3120



40.8846, 0.3295, 0.3157



40.8846, 0.3295, 0.3596

Complementary

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



40.8846, 0.2795, 0.3120



37.5594, 0.3529, 0.3454

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.



40.8846, 0.3423, 0.3556



40.8846, 0.2795, 0.3120



40.8846, 0.3424, 0.3301

Square

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



40.8846, 0.2795, 0.3120



40.8846, 0.3123, 0.3048



40.8846, 0.3471, 0.3446



40.8846, 0.3124, 0.3550

Rectangle

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



40.8846, 0.2795, 0.3120



40.8846, 0.2909, 0.2999



40.8846, 0.3471, 0.3446



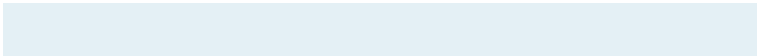
40.8846, 0.3344, 0.3592

Sweetspot

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



40.8863, 0.2795, 0.3120



85.2241, 0.3019, 0.3239



44.6468, 0.3014, 0.3715



18.2236, 0.3010, 0.3234



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.8863, 0.2795, 0.3120



70.9473, 0.2726, 0.3080



33.5494, 0.2774, 0.2824



10.3268, 0.2985, 0.3222



14.0613, 0.1979, 0.2324



0.6584, 0.2051, 0.2582

Inverse Universe

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



34.6743, 0.3266, 0.2904



57.9904, 0.3302, 0.2820



45.0722, 0.3475, 0.3717



9.6476, 0.3181, 0.3129



8.4492, 0.4102, 0.2033



0.3418, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 40.8846, 0.2795, 0.3120 looks on a white background.

Color Contrast Check

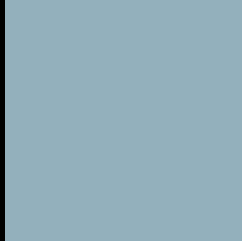
Large Text (above 18pt) WCAG AA × Fail

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 40.8846, 0.2795, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

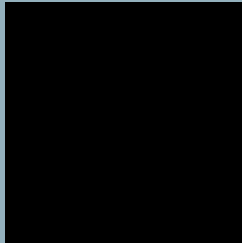
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

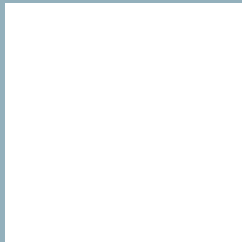
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8846, 0.2795, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 40.8846, 0.2795, 0.3120.



This preview shows how white text looks on a background with the Yxy color 40.8846, 0.2795, 0.3120.

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

40.8846, 0.2795, 0.3120

Protanopia

40.7562, 0.3012, 0.3100

Deuteranopia

40.5738, 0.3043, 0.2973



Tritanopia

40.9714, 0.2781, 0.3092

Trichromacy



Original Color

40.8846, 0.2795, 0.3120

Protanomaly

40.6892, 0.2936, 0.3110

Deuteranomaly

40.6391, 0.2947, 0.3032

Tritanomaly

40.9278, 0.2788, 0.3106

Monochromacy



Original Color

40.8846, 0.2795, 0.3120

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.2167, 0.2998, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8846, 0.2795, 0.3120 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(147, 176, 188)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 188)  
}
```

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(147, 176, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 188) }
```

Border

The CSS property to change the border of an element to Yxy 40.8846, 0.2795, 0.3120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

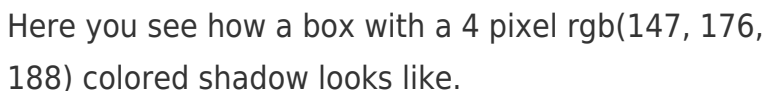
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 176, 188) }
```

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

```
.border{ border-color:rgb(147, 176, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 176, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 176, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 176, 188); box-shadow:4px 4px 4px 4px rgb(147, 176, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8846, 0.2795, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 188) }
```

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

```
.background{ background-color: rgb(147,  
176, 188) }
```

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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