

Converting Colors

$Y_{xy}(40.7674, 0.2776, 0.3397)$

Have a look what the booklet for
Yxy(40.7674, 0.2776, 0.3397)
contains.

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Color

Yxy(40.8496, 0.2772, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	82B5AE
RGB	130, 181, 174
RGB Percent	51%, 71%, 68%
CMY	0.4901, 0.2902, 0.3176
CMYK	0.28, 0.00, 0.04, 0.29
HSL	172°, 26%, 61%
HSV	172°, 28%, 71%
XYZ	33.3731, 40.8496, 46.1710
YIQ	164.9530, -28.1490, -12.9890

Conversions

Conversions Part 2

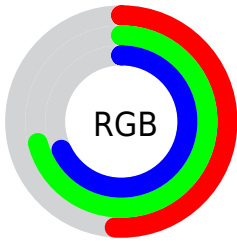
Format	Color
RYB	130, 157, 181
Decimal	8566190
CIELab	70.07, -18.25, -1.86
CIElCh	70, 18.346, 185.816
Yxy	40.8496, 0.2772, 0.3393
Android (android.graphics.Color)	4286756270 (0xFF82B5AE)
YUV	164.9530, 4.4602, -30.6538
Hunter-Lab	63.9137, -18.6435, 1.9087

Details

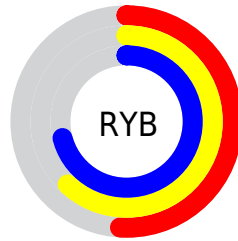
The Yxy color $40.8496, 0.2772, 0.3393$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $27.6038, 0.3648, 0.3191$, and the grayscale version is $37.5951, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4159, 0.2839, 0.3380$, and $18.4632, 0.2659, 0.3416$ is the 20% darker color. If you saturate the color by 10%, you get $39.4472, 0.2664, 0.3435$, and if you desaturate by 10%, it is $42.5089, 0.2891, 0.3354$.

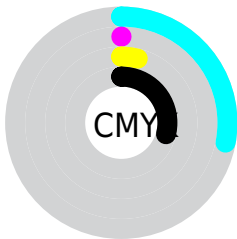
Distribution



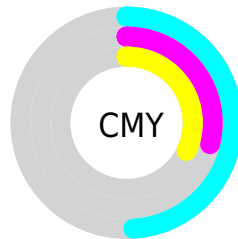
- Red (51%)
- Green (71%)
- Blue (68%)



- Red (51%)
- Yellow (62%)
- Blue (71%)



- Cyan (28%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (49%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8496, 0.2772, 0.3393 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 40.8496, 0.2772, 0.3393 by changing the saturation by 10% instead.

 40.8496, 0.2772,
0.3393

 40.8496, 0.2772,
0.3393


349.6916, 0.2952,
0.3342


 28.2016, 0.2726,
0.3406


 76.4555, 0.2838,
0.3374

 18.4777, 0.2666,
0.3422


 100.1822, 0.2863,
0.3367

 11.2935, 0.2586,
0.3444


 128.3706, 0.2884,
0.3361

 6.2646, 0.2472,
0.3474


161.4051, 0.2901,
0.3356

 3.0066, 0.2299,
0.3518

199.6700, 0.2917,
0.3352

 1.1352, 0.1952,
0.3609

243.5498, 0.2930,

 0.0078, 0.0000,

0.3348

0.0533

293.4289, 0.2942,
0.3345

0.0000, 0.0000,
0.0000

40.8496, 0.2772,
0.3393

40.8496, 0.2772,
0.3393

39.4472, 0.2664,
0.3435

42.5089, 0.2891,
0.3354

38.2835, 0.2571,
0.3480

44.4323, 0.3019,
0.3317

37.3458, 0.2494,
0.3526

46.6330, 0.3152,
0.3284

36.6182, 0.2435,
0.3573

49.1216, 0.3289,
0.3254

36.0825, 0.2395,
0.3621

51.9085, 0.3427,
0.3228

■ 35.7177, 0.2374,
0.3669

■ 55.0033, 0.3564,
0.3204

■ 35.4896, 0.2369,
0.3717

■ 58.0858, 0.3683,
0.3183

■ 35.4525, 0.2368,
0.3725

■ 58.1964, 0.3661,
0.3157

■ 58.3089, 0.3640,
0.3132

Harmonies

Analogous

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



40.8496, 0.2999, 0.3624



40.8496, 0.2772, 0.3393



40.8496, 0.2641, 0.3141

Triad

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



40.8496, 0.2772, 0.3393



40.8496, 0.2970, 0.2869



40.8496, 0.3644, 0.3610

Complementary

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



40.8496, 0.2772, 0.3393



27.6038, 0.3648, 0.3191

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.



40.8496, 0.3639, 0.3403



40.8496, 0.2772, 0.3393



40.8496, 0.3241, 0.2987

Square

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



40.8496, 0.2772, 0.3393



40.8496, 0.2751, 0.2852



40.8496, 0.3489, 0.3178



40.8496, 0.3506, 0.3744

Rectangle

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



40.8496, 0.2772, 0.3393



40.8496, 0.2622, 0.3002



40.8496, 0.3489, 0.3178



40.8496, 0.3660, 0.3547

Sweetspot

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



40.8513, 0.2772, 0.3393



79.5888, 0.3019, 0.3317



40.0351, 0.3154, 0.4075



17.0842, 0.2999, 0.3322



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.8513, 0.2772, 0.3393



71.5032, 0.2702, 0.3420



34.3354, 0.2697, 0.3019



9.6111, 0.3004, 0.3321



24.4484, 0.2367, 0.3719



0.7748, 0.2330, 0.3587

Inverse Universe

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



27.6038, 0.3648, 0.3191



43.7275, 0.3816, 0.3168



32.5748, 0.3663, 0.3546



8.5236, 0.3266, 0.3259



6.8264, 0.6194, 0.3186



0.2208, 0.5591, 0.2854

Previews

White Background



This preview shows how the Yxy color 40.8496, 0.2772, 0.3393 looks on a white background.

Color Contrast Check

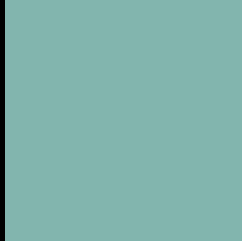
Large Text (above 18pt) WCAG AA × Fail

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 40.8496, 0.2772, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

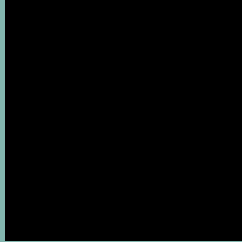
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8496, 0.2772, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 40.8496, 0.2772, 0.3393.

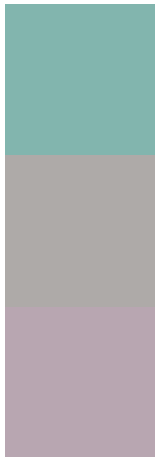


This preview shows how white text looks on a background with the Yxy color 40.8496, 0.2772, 0.3393.

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

40.8496, 0.2772, 0.3393

Protanopia

40.5753, 0.3181, 0.3318

Deuteranopia

40.6371, 0.3199, 0.3144



Tritanopia

40.7149, 0.2675, 0.3088

Trichromacy



Original Color

40.8496, 0.2772, 0.3393

Protanomaly

40.4435, 0.3020, 0.3347

Deuteranomaly

40.1529, 0.3024, 0.3220

Tritanomaly

40.7295, 0.2716, 0.3202

Monochromacy



Original Color

40.8496, 0.2772, 0.3393

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.6284, 0.2984, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8496, 0.2772, 0.3393 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(130, 181, 174)` looks like.

```
.text, #text, p{  
    color:rgb(130, 181, 174)  
}
```

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(130, 181, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 181, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.8496, 0.2772, 0.3393 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(130, 181, 174) }
```

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

```
.border{ border-color:rgb(130, 181, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 181, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 181, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 181, 174);  
box-shadow:4px 4px 4px 4px rgb(130, 181,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8496, 0.2772, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 181, 174) }
```

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

```
.background{ background-color: rgb(130,  
181, 174) }
```

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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