

Converting Colors

$Y_{xy}(42.3079, 0.2875, 0.3522)$

Have a look what the booklet for
Yxy(42.3079, 0.2875, 0.3522)
contains.

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Color

Yxy(42.5114, 0.2876, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	8AB8A8
RGB	138, 184, 168
RGB Percent	54%, 72%, 66%
CMY	0.4587, 0.2784, 0.3411
CMYK	0.25, 0.00, 0.09, 0.28
HSL	159°, 24%, 63%
HSV	159°, 25%, 72%
XYZ	34.6943, 42.5114, 43.4282
YIQ	168.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

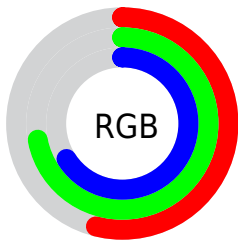
Format	Color
RYB	138, 166, 184
Decimal	9091240
CIELab	71.22, -18.62, 3.16
CIELCh	71, 18.888, 170.361
Yxy	42.5114, 0.2876, 0.3524
Android (android.graphics.Color)	4287281320 (0xFF8AB8A8)
YUV	168.4220, -0.2080, -26.6801
Hunter-Lab	65.2008, -19.1188, 6.1493

Details

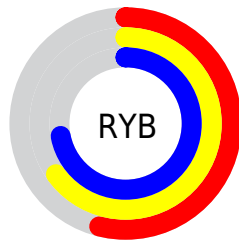
The Yxy color **42.5114, 0.2876, 0.3524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.7101, 0.3467, 0.3068**, and the grayscale version is **39.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8544, 0.2922, 0.3480**, and **19.5198, 0.2804, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **40.8413, 0.2787, 0.3634**, and if you desaturate by 10%, it is **44.4627, 0.2973, 0.3423**.

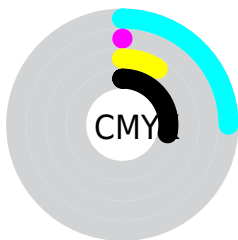
Distribution



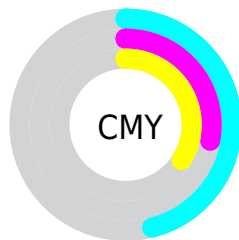
- Red (54%)
- Green (72%)
- Blue (66%)



- Red (54%)
- Yellow (65%)
- Blue (72%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)





- Cyan (46%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5114, 0.2876, 0.3524 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 42.5114, 0.2876, 0.3524 by changing the saturation by 10% instead.


 42.5114, 0.2876,
0.3524


 42.5114, 0.2876,
0.3524


356.5985, 0.3004,
0.3404


 29.5019, 0.2843,
0.3555


 78.9730, 0.2923,
0.3479

 19.4609, 0.2800,
0.3596


 103.1940, 0.2941,
0.3463

 12.0038, 0.2743,
0.3652


 131.9209, 0.2956,
0.3449

 6.7462, 0.2660,
0.3732

165.5381, 0.2968,
0.3437

 3.3039, 0.2532,
0.3858

204.4301, 0.2979,
0.3427

 1.2924, 0.2298,
0.4090

248.9813, 0.2988,

 0.1353, 0.0000,

0.3418

1.0000

299.5759, 0.2997,
0.3411

0.0000, 0.0000,
0.0000

42.5114, 0.2876,
0.3524

42.5114, 0.2876,
0.3524

40.8413, 0.2787,
0.3634

44.4627, 0.2973,
0.3423

39.4335, 0.2708,
0.3751

46.7024, 0.3075,
0.3332

38.2750, 0.2643,
0.3876

49.2442, 0.3180,
0.3250

37.3496, 0.2595,
0.4006

52.0992, 0.3285,
0.3177

36.6392, 0.2566,
0.4139

55.2780, 0.3390,
0.3112

■ 36.1228, 0.2556,
0.4272

■ 58.7906, 0.3492,
0.3055

■ 35.7747, 0.2566,
0.4404

■ 60.3335, 0.3493,
0.2995

■ 35.6358, 0.2575,
0.4469

■ 60.6644, 0.3440,
0.2931

■ 61.0084, 0.3387,
0.2868

Harmonies

Analogous

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



42.5114, 0.3137, 0.3715



42.5114, 0.2876, 0.3524



42.5114, 0.2687, 0.3268

Triad

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



42.5114, 0.2876, 0.3524



42.5114, 0.2843, 0.2840



42.5114, 0.3670, 0.3512

Complementary

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



42.5114, 0.2876, 0.3524



30.7101, 0.3467, 0.3068

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.



42.5114, 0.3585, 0.3286



42.5114, 0.2876, 0.3524



42.5114, 0.3099, 0.2909

Square

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



42.5114, 0.2876, 0.3524



42.5114, 0.2669, 0.2880



42.5114, 0.3373, 0.3070



42.5114, 0.3600, 0.3694

Rectangle

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



42.5114, 0.2876, 0.3524



42.5114, 0.2624, 0.3104



42.5114, 0.3373, 0.3070



42.5114, 0.3658, 0.3439

Sweetspot

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



42.5132, 0.2876, 0.3524



83.7519, 0.3053, 0.3351



42.9972, 0.3231, 0.3960



18.0017, 0.3047, 0.3356



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.5132, 0.2876, 0.3524



75.3360, 0.2826, 0.3583



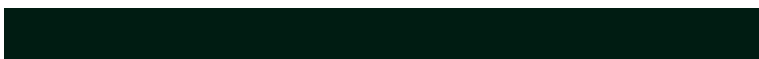
40.3512, 0.2757, 0.3189



10.1561, 0.3030, 0.3371



24.5748, 0.2570, 0.4453



0.8775, 0.2477, 0.4116

Inverse Universe

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



30.7101, 0.3467, 0.3068



50.2418, 0.3567, 0.3017



32.2546, 0.3621, 0.3388



9.0624, 0.3235, 0.3211



7.2903, 0.5553, 0.2833



0.2690, 0.4823, 0.2431

Previews

White Background



This preview shows how the Yxy color 42.5114, 0.2876, 0.3524 looks on a white background.

Color Contrast Check

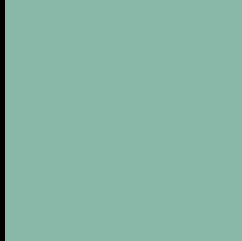
Large Text (above 18pt) WCAG AA × Fail

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 42.5114, 0.2876, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

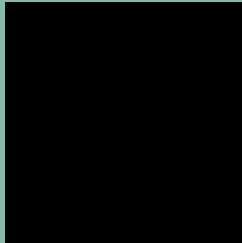
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5114, 0.2876, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 42.5114, 0.2876, 0.3524.

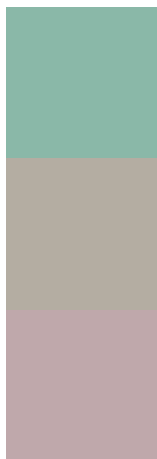


This preview shows how white text looks on a background with the Yxy color 42.5114, 0.2876, 0.3524.

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

42.5114, 0.2876, 0.3524

Protanopia

42.1991, 0.3284, 0.3439

Deuteranopia

42.0219, 0.3315, 0.3251



Tritanopia

42.4223, 0.2722, 0.3079

Trichromacy



Original Color

42.5114, 0.2876, 0.3524

Protanomaly

42.1239, 0.3127, 0.3472

Deuteranomaly

41.9450, 0.3142, 0.3345

Tritanomaly

42.2132, 0.2777, 0.3232

Monochromacy



Original Color

42.5114, 0.2876, 0.3524

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.2674, 0.3027, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5114, 0.2876, 0.3524 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(138, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(138, 184, 168)  
}
```

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(138, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 184, 168) }
```

Border

The CSS property to change the border of an element to Yxy 42.5114, 0.2876, 0.3524 is called "border". The border property can be set on classes, ids or directly on the HTML element.

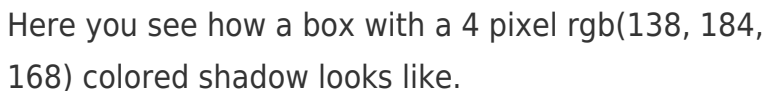
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 184, 168) }
```

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

```
.border{ border-color:rgb(138, 184, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 184, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 184, 168); box-shadow:4px 4px 4px 4px rgb(138, 184, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5114, 0.2876, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 184, 168) }
```

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

```
.background{ background-color: rgb(138,  
184, 168) }
```

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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