

Converting Colors

$Y_{xy}(42.7719, 0.2955, 0.3536)$

Have a look what the booklet for
Yxy(42.7719, 0.2955, 0.3536)
contains.

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Color

Yxy(42.7311, 0.2952, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	92B7A6
RGB	146, 183, 166
RGB Percent	57%, 72%, 65%
CMY	0.4273, 0.2824, 0.3490
CMYK	0.20, 0.00, 0.09, 0.28
HSL	152°, 20%, 65%
HSV	152°, 20%, 72%
XYZ	35.6737, 42.7311, 42.4411
YIQ	169.9990, -16.5950, -13.1310

Conversions

Conversions Part 2

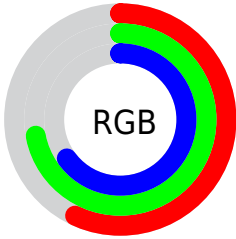
Format	Color
R_{YB}	146, 170, 183
Decimal	9615270
CIE _{Lab}	71.37, -15.94, 4.55
CIE _{LCh}	71, 16.572, 164.081
Yxy	42.7311, 0.2952, 0.3536
Android (android.graphics.Color)	4287805350 (0xFF92B7A6)
YUV	169.9990, -1.9715, -21.0471
Hunter-Lab	65.3690, -16.9834, 7.2641

Details

The Yxy color **42.7311, 0.2952, 0.3536** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2794, 0.3346, 0.3057**, and the grayscale version is **40.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2328, 0.2983, 0.3489**, and **19.6131, 0.2902, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **40.8886, 0.2872, 0.3678**, and if you desaturate by 10%, it is **44.8659, 0.3037, 0.3408**.

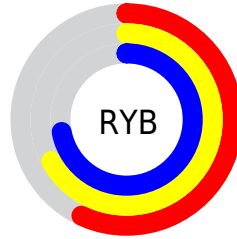
Distribution



Red (57%)

Green (72%)

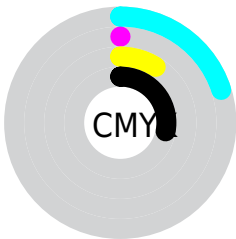
Blue (65%)



Red (57%)

Yellow (67%)

Blue (72%)

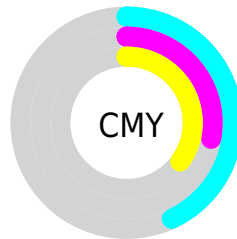


Cyan (20%)

Magenta (0%)

Yellow (9%)

Black (28%)



Cyan (43%)


Magenta (28%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7311, 0.2952, 0.3536 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 42.7311, 0.2952, 0.3536 by changing the saturation by 10% instead.

 42.7311, 0.2952,
0.3536

 42.7311, 0.2952,
0.3536


357.5048, 0.3042,
0.3409

 29.6742, 0.2929,
0.3569


 79.3049, 0.2985,
0.3489

 19.5914, 0.2899,
0.3612


 103.5906, 0.2998,
0.3472

 12.0984, 0.2857,
0.3671


132.3880, 0.3008,
0.3457

 6.8107, 0.2798,
0.3757

166.0816, 0.3017,
0.3445

 3.3440, 0.2706,
0.3892

205.0556, 0.3024,
0.3434

 1.3139, 0.2542,
0.4135

249.6946, 0.3031,

 0.1519, 0.0000,

0.3425

1.0000

300.3828, 0.3037,
0.3416

0.0000, 0.0000,
0.0000

42.7311, 0.2952,
0.3536

42.7311, 0.2952,
0.3536

40.8886, 0.2872,
0.3678

44.8659, 0.3037,
0.3408

39.3198, 0.2800,
0.3831

47.2998, 0.3125,
0.3292

38.0125, 0.2738,
0.3996

50.0462, 0.3214,
0.3189

36.9510, 0.2692,
0.4169

53.1161, 0.3302,
0.3099

36.1182, 0.2662,
0.4347

56.5198, 0.3388,
0.3019

■ 35.4947, 0.2652,
0.4527

■ 60.1097, 0.3464,
0.2948

■ 35.0573, 0.2661,
0.4703

■ 60.5576, 0.3394,
0.2865

■ 34.7638, 0.2686,
0.4869

■ 61.0282, 0.3327,
0.2784

■ 61.5217, 0.3261,
0.2705

Harmonies

Analogous

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



42.7311, 0.3187, 0.3681



42.7311, 0.2952, 0.3536



42.7311, 0.2768, 0.3319

Triad

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



42.7311, 0.2952, 0.3536



42.7311, 0.2838, 0.2892



42.7311, 0.3597, 0.3447

Complementary

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



42.7311, 0.2952, 0.3536



33.2794, 0.3346, 0.3057

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.



42.7311, 0.3497, 0.3246



42.7311, 0.2952, 0.3536



42.7311, 0.3053, 0.2934

Square

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



42.7311, 0.2952, 0.3536



42.7311, 0.2704, 0.2951



42.7311, 0.3295, 0.3061



42.7311, 0.3565, 0.3618

Rectangle

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



42.7311, 0.2952, 0.3536



42.7311, 0.2697, 0.3171



42.7311, 0.3295, 0.3061



42.7311, 0.3578, 0.3381

Sweetspot

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



42.7329, 0.2952, 0.3536



82.0780, 0.3073, 0.3359



43.7587, 0.3250, 0.3814



18.0671, 0.3068, 0.3366



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.



42.7329, 0.2952, 0.3536



75.0884, 0.2918, 0.3594



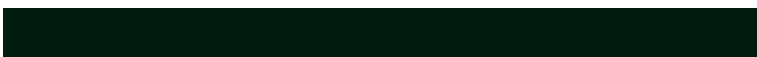
42.8926, 0.2829, 0.3272



10.1391, 0.3045, 0.3397



24.2664, 0.2680, 0.4849



0.8678, 0.2557, 0.4405

Inverse Universe

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



33.2794, 0.3346, 0.3057



55.2437, 0.3402, 0.3006



33.0923, 0.3518, 0.3308



9.0791, 0.3218, 0.3185



7.4850, 0.5099, 0.2583



0.2764, 0.4489, 0.2246

Previews

White Background



This preview shows how the Yxy color 42.7311, 0.2952, 0.3536 looks on a white background.

Color Contrast Check

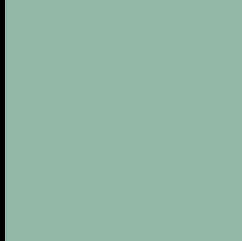
Large Text (above 18pt) WCAG AA × Fail

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 42.7311, 0.2952, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

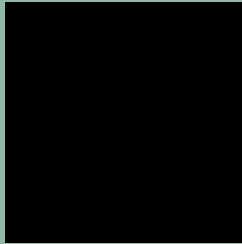
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7311, 0.2952, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 42.7311, 0.2952, 0.3536.

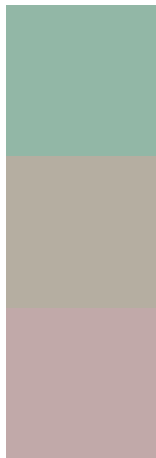


This preview shows how white text looks on a background with the Yxy color 42.7311, 0.2952, 0.3536.

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

42.7311, 0.2952, 0.3536

Protanopia

42.6691, 0.3300, 0.3466

Deuteranopia

42.5780, 0.3350, 0.3291



Tritanopia

42.6698, 0.2794, 0.3096

Trichromacy



Original Color

42.7311, 0.2952, 0.3536

Protanomaly

42.4135, 0.3162, 0.3485

Deuteranomaly

42.3294, 0.3195, 0.3372

Tritanomaly

42.4510, 0.2850, 0.3247

Monochromacy



Original Color

42.7311, 0.2952, 0.3536

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.1016, 0.3053, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7311, 0.2952, 0.3536 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(146, 183, 166)` looks like.

```
.text, #text, p{  
    color:rgb(146, 183, 166)  
}
```

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(146, 183, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 183, 166) }
```

Border

The CSS property to change the border of an element to Yxy 42.7311, 0.2952, 0.3536 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(146, 183, 166) }
```

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

```
.border{ border-color:rgb(146, 183, 166) }
```

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

Here you see how a box with a 4 pixel rgb(146, 183, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 183, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 183, 166);  
box-shadow:4px 4px 4px 4px rgb(146, 183,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7311, 0.2952, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 183, 166) }
```

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

```
.background{ background-color: rgb(146,  
183, 166) }
```

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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