

Converting Colors

$Y_{xy}(44.7315, 0.2955, 0.3522)$

Have a look what the booklet for
Yxy(44.7315, 0.2955, 0.3522)
contains.

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Color

Yxy(44.9270, 0.2955, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	96BBAA
RGB	150, 187, 170
RGB Percent	59%, 73%, 67%
CMY	0.4119, 0.2666, 0.3334
CMYK	0.20, 0.00, 0.09, 0.27
HSL	152°, 21%, 66%
HSV	152°, 20%, 73%
XYZ	37.5982, 44.9270, 44.7107
YIQ	173.9990, -16.5950, -13.1310

Conversions

Conversions Part 2

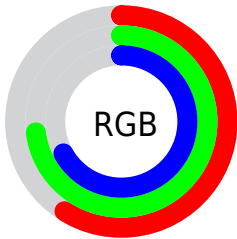
Format	Color
RYB	150, 174, 187
Decimal	9878442
CIELab	72.84, -15.91, 4.52
CIELCh	73, 16.538, 164.126
Yxy	44.9270, 0.2955, 0.3531
Android (android.graphics.Color)	4288068522 (0xFF96BBAA)
YUV	173.9990, -1.9715, -21.0471
Hunter-Lab	67.0276, -17.1712, 7.3700

Details

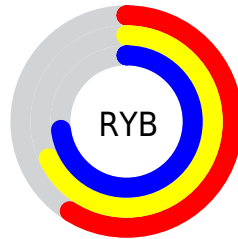
The Yxy color **44.9270, 0.2955, 0.3531** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.1602, 0.3341, 0.3061**, and the grayscale version is **42.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5166, 0.2991, 0.3485**, and **21.0108, 0.2908, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **42.9796, 0.2874, 0.3672**, and if you desaturate by 10%, it is **47.1825, 0.3041, 0.3403**.

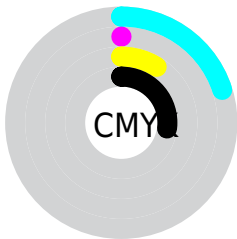
Distribution



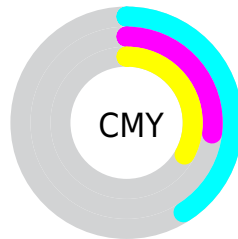
- Red (59%)
- Green (73%)
- Blue (67%)



- Red (59%)
- Yellow (68%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)





- Cyan (41%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9270, 0.2955, 0.3531 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 44.9270, 0.2955, 0.3531 by changing the saturation by 10% instead.

 44.9270, 0.2955,
0.3531

 44.9270, 0.2955,
0.3531


366.4778, 0.3043,
0.3408

 31.3999, 0.2933,
0.3563

 82.6109, 0.2987,
0.3486

 20.9036, 0.2904,
0.3604


 107.5364, 0.2999,
0.3469

 13.0535, 0.2864,
0.3660


137.0303, 0.3009,
0.3455

 7.4654, 0.2809,
0.3740

171.4769, 0.3018,
0.3442

 3.7548, 0.2723,
0.3865

211.2605, 0.3025,
0.3432

 1.5374, 0.2575,
0.4085

256.7656, 0.3032,

 0.3148, 0.0000,

0.3423

0.9223

308.3766, 0.3038,
0.3415

0.0000, 0.0000,
0.0000

44.9270, 0.2955,
0.3531

44.9270, 0.2955,
0.3531

42.9796, 0.2874,
0.3672

47.1825, 0.3041,
0.3403

41.3209, 0.2802,
0.3826

49.7535, 0.3129,
0.3288

39.9380, 0.2740,
0.3990

52.6539, 0.3218,
0.3186

38.8144, 0.2693,
0.4164

55.8953, 0.3306,
0.3095

37.9322, 0.2662,
0.4342

59.4886, 0.3391,
0.3015

■ 37.2708, 0.2652,
0.4521

■ 62.0569, 0.3416,
0.2939

■ 36.8063, 0.2661,
0.4698

■ 62.5287, 0.3347,
0.2855

■ 36.4916, 0.2686,
0.4867

■ 63.0243, 0.3280,
0.2773

■ 36.4860, 0.2686,
0.4871

■ 63.5441, 0.3215,
0.2693

Harmonies

Analogous

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



44.9270, 0.3186, 0.3674



44.9270, 0.2955, 0.3531



44.9270, 0.2774, 0.3319

Triad

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



44.9270, 0.2955, 0.3531



44.9270, 0.2844, 0.2900



44.9270, 0.3588, 0.3445

Complementary

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



44.9270, 0.2955, 0.3531



35.1602, 0.3341, 0.3061

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.



44.9270, 0.3490, 0.3247



44.9270, 0.2955, 0.3531



44.9270, 0.3054, 0.2940

Square

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



44.9270, 0.2955, 0.3531



44.9270, 0.2712, 0.2957



44.9270, 0.3292, 0.3066



44.9270, 0.3557, 0.3613

Rectangle

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



44.9270, 0.2955, 0.3531



44.9270, 0.2704, 0.3174



44.9270, 0.3292, 0.3066



44.9270, 0.3569, 0.3380

Sweetspot

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



44.9289, 0.2955, 0.3531



86.1316, 0.3073, 0.3359



45.9906, 0.3248, 0.3804



18.9026, 0.3067, 0.3366



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.



44.9289, 0.2955, 0.3531



78.7901, 0.2917, 0.3594



45.0940, 0.2834, 0.3272



10.7335, 0.3045, 0.3398



25.1502, 0.2681, 0.4850



0.9982, 0.2566, 0.4439

Inverse Universe

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



35.1602, 0.3341, 0.3061



57.9434, 0.3403, 0.3005



34.9673, 0.3510, 0.3308



9.6074, 0.3218, 0.3185



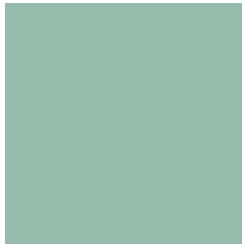
7.7562, 0.5103, 0.2585



0.3170, 0.4534, 0.2272

Previews

White Background



This preview shows how the Yxy color 44.9270, 0.2955, 0.3531 looks on a white background.

Color Contrast Check

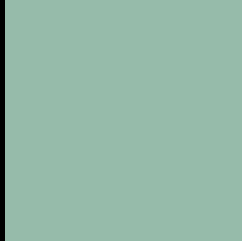
Large Text (above 18pt) WCAG AA × Fail

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 44.9270, 0.2955, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

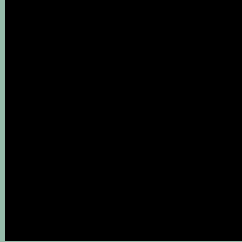
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

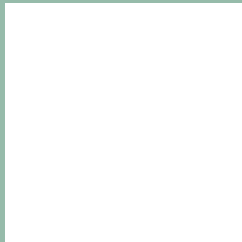
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9270, 0.2955, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 44.9270, 0.2955, 0.3531.



This preview shows how white text looks on a background with the Yxy color 44.9270, 0.2955, 0.3531.

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

44.9270, 0.2955, 0.3531

Protanopia

44.8717, 0.3296, 0.3462

Deuteranopia

44.3925, 0.3347, 0.3278



Tritanopia

44.9128, 0.2793, 0.3087

Trichromacy



Original Color

44.9270, 0.2955, 0.3531

Protanomaly

44.6084, 0.3161, 0.3481

Deuteranomaly

44.1261, 0.3194, 0.3357

Tritanomaly

44.6841, 0.2848, 0.3234

Monochromacy



Original Color

44.9270, 0.2955, 0.3531

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2567, 0.3055, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9270, 0.2955, 0.3531 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(150, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 170)  
}
```

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(150, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 170) }
```

Border

The CSS property to change the border of an element to Yxy 44.9270, 0.2955, 0.3531 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(150, 187, 170) }
```

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

```
.border{ border-color:rgb(150, 187, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9270, 0.2955, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 170) }
```

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

```
.background{ background-color: rgb(150,  
187, 170) }
```

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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