

Converting Colors

$Y_{xy}(45.8702, 0.2995, 0.3564)$

Have a look what the booklet for
Yxy(45.8702, 0.2995, 0.3564)
contains.

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Color

Yxy(45.7010, 0.2994, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	9ABCA9
RGB	154, 188, 169
RGB Percent	60%, 74%, 66%
CMY	0.3959, 0.2628, 0.3372
CMYK	0.18, 0.00, 0.10, 0.26
HSL	146°, 20%, 67%
HSV	146°, 18%, 74%
XYZ	38.4783, 45.7010, 44.3387
YIQ	175.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

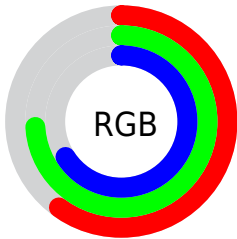
Format	Color
RYB	154, 178, 188
Decimal	10140841
CIELab	73.35, -15.25, 5.81
CIELCh	73, 16.322, 159.142
Yxy	45.7010, 0.2994, 0.3556
Android (android.graphics.Color)	4288330921 (0xFF9ABCA9)
YUV	175.6680, -3.2873, -19.0028
Hunter-Lab	67.6025, -16.7050, 8.4350

Details

The Yxy color $45.7010, 0.2994, 0.3556$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $36.8333, 0.3287, 0.3038$, and the grayscale version is $43.2624, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.6385, 0.3022, 0.3505$, and $21.4371, 0.2949, 0.3643$ is the 20% darker color. If you saturate the color by 10%, you get $43.6209, 0.2924, 0.3727$, and if you desaturate by 10%, it is $48.1056, 0.3067, 0.3402$.

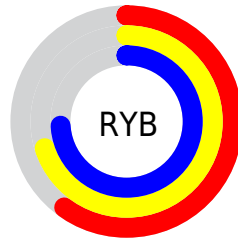
Distribution



Red (60%)

Green (74%)

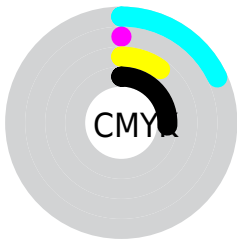
Blue (66%)



Red (60%)

Yellow (70%)

Blue (74%)

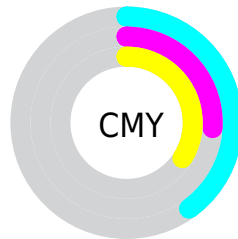


Cyan (18%)

Magenta (0%)

Yellow (10%)

Black (26%)



Cyan (40%)


Magenta (26%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7010, 0.2994, 0.3556 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 45.7010, 0.2994, 0.3556 by changing the saturation by 10% instead.


 45.7010, 0.2994,
0.3556


 45.7010, 0.2994,
0.3556


369.6053, 0.3062,
0.3420

 32.0099, 0.2977,
0.3591


 83.7713, 0.3019,
0.3506

 21.3691, 0.2954,
0.3636


 108.9194, 0.3028,
0.3487

 13.3941, 0.2923,
0.3698


138.6553, 0.3036,
0.3472

 7.7005, 0.2879,
0.3787

173.3633, 0.3043,
0.3458

 3.9039, 0.2811,
0.3924

213.4279, 0.3049,
0.3447

 1.6199, 0.2692,
0.4164

259.2336, 0.3054,

 0.3710, 0.0000,

0.3437

1.0000

311.1645, 0.3058,
0.3428

0.0000, 0.0000,
0.0000

45.7010, 0.2994,
0.3556

45.7010, 0.2994,
0.3556

43.6209, 0.2924,
0.3727

48.1056, 0.3067,
0.3402

41.8453, 0.2861,
0.3914

50.8421, 0.3142,
0.3265

40.3610, 0.2807,
0.4115

53.9250, 0.3216,
0.3143

39.1513, 0.2765,
0.4327

57.3661, 0.3288,
0.3036

38.1979, 0.2740,
0.4544

61.1766, 0.3358,
0.2942

■ 37.4803, 0.2732,
0.4761

■ 63.0526, 0.3331,
0.2846

■ 36.9741, 0.2744,
0.4971

■ 63.6678, 0.3250,
0.2747

■ 36.6424, 0.2772,
0.5166

■ 64.3193, 0.3172,
0.2651

■ 36.5870, 0.2778,
0.5202

■ 64.4434, 0.3158,
0.2634

Harmonies

Analogous

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



45.7010, 0.3224, 0.3679



45.7010, 0.2994, 0.3556



45.7010, 0.2805, 0.3355

Triad

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



45.7010, 0.2994, 0.3556



45.7010, 0.2821, 0.2909



45.7010, 0.3572, 0.3411

Complementary

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



45.7010, 0.2994, 0.3556



36.8333, 0.3287, 0.3038

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.



45.7010, 0.3457, 0.3216



45.7010, 0.2994, 0.3556



45.7010, 0.3018, 0.2934

Square

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



45.7010, 0.2994, 0.3556



45.7010, 0.2708, 0.2982



45.7010, 0.3251, 0.3044



45.7010, 0.3563, 0.3584

Rectangle

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



45.7010, 0.2994, 0.3556



45.7010, 0.2725, 0.3210



45.7010, 0.3251, 0.3044



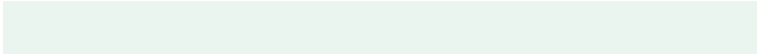
45.7010, 0.3546, 0.3346

Sweetspot

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



45.7029, 0.2994, 0.3556



88.6042, 0.3089, 0.3359



47.2142, 0.3267, 0.3751



18.9812, 0.3084, 0.3369



95.5105, 0.3127, 0.3290



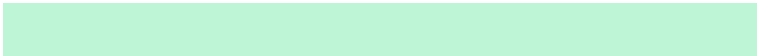
19.5994, 0.3127, 0.3290

Same Dimension

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



45.7029, 0.2994, 0.3556



81.1441, 0.2963, 0.3627



46.3712, 0.2875, 0.3320



10.7177, 0.3058, 0.3421



24.9269, 0.2772, 0.5179



0.9896, 0.2639, 0.4702

Inverse Universe

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



36.8333, 0.3287, 0.3038



61.8363, 0.3333, 0.2976



36.2263, 0.3449, 0.3260



9.6232, 0.3203, 0.3163



7.9896, 0.4689, 0.2357



0.3259, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 45.7010, 0.2994, 0.3556 looks on a white background.

Color Contrast Check

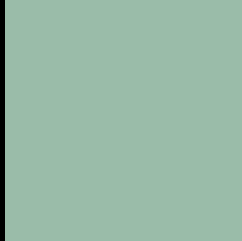
Large Text (above 18pt) WCAG AA × Fail

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 45.7010, 0.2994, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

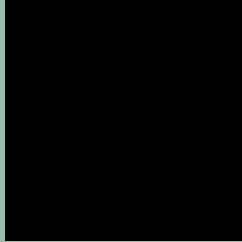
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

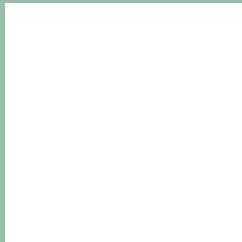
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7010, 0.2994, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 45.7010, 0.2994, 0.3556.

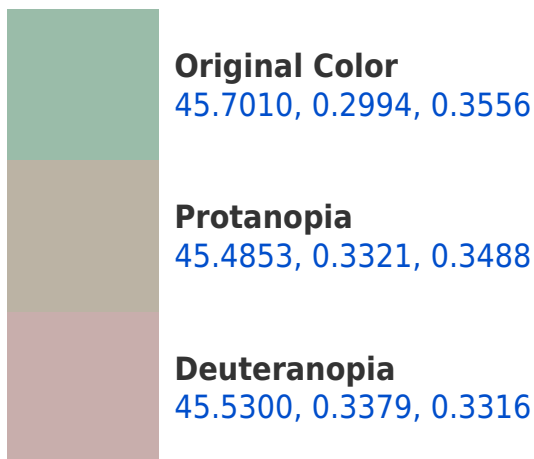


This preview shows how white text looks on a background with the Yxy color 45.7010, 0.2994, 0.3556.

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





Tritanopia

45.7291, 0.2824, 0.3102

Trichromacy



Original Color

45.7010, 0.2994, 0.3556

Protanomaly

45.3230, 0.3194, 0.3506

Deuteranomaly

45.2478, 0.3227, 0.3396

Tritanomaly

45.4539, 0.2887, 0.3262

Monochromacy



Original Color

45.7010, 0.2994, 0.3556

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.9845, 0.3080, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7010, 0.2994, 0.3556 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(154, 188, 169)` looks like.

```
.text, #text, p{  
    color:rgb(154, 188, 169)  
}
```

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(154, 188, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 188, 169) }
```

Border

The CSS property to change the border of an element to Yxy 45.7010, 0.2994, 0.3556 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(154, 188, 169) }
```

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

```
.border{ border-color:rgb(154, 188, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 188, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 188, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 188, 169); box-shadow:4px 4px 4px 4px rgb(154, 188, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7010, 0.2994, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 188, 169) }
```

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

```
.background{ background-color: rgb(154,  
188, 169) }
```

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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