

Converting Colors

$Yxy(44.9066, 0.2966, 0.3527)$

Have a look what the booklet for
Yxy(44.9066, 0.2966, 0.3527)
contains.

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Color

Yxy(45.0222, 0.2963, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	97BBAA
RGB	151, 187, 170
RGB Percent	59%, 73%, 67%
CMY	0.4078, 0.2667, 0.3333
CMYK	0.19, 0.00, 0.09, 0.27
HSL	152°, 21%, 66%
HSV	152°, 19%, 73%
XYZ	37.7906, 45.0222, 44.7289
YIQ	174.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

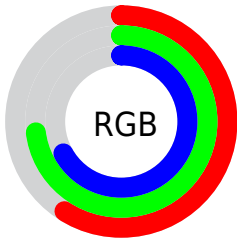
Format	Color
RYB	151, 175, 187
Decimal	9943978
CIELab	72.91, -15.55, 4.61
CIELCh	73, 16.222, 163.484
Yxy	45.0222, 0.2963, 0.3530
Android (android.graphics.Color)	4288134058 (0xFF97BBAA)
YUV	174.2980, -2.1189, -20.4323
Hunter-Lab	67.0986, -16.8895, 7.4455

Details

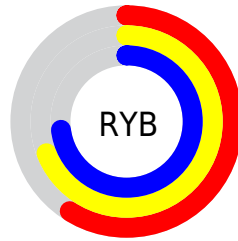
The Yxy color **45.0222, 0.2963, 0.3530** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.5310, 0.3329, 0.3062**, and the grayscale version is **42.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6592, 0.2997, 0.3485**, and **21.0675, 0.2918, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **43.0511, 0.2884, 0.3675**, and if you desaturate by 10%, it is **47.3034, 0.3047, 0.3399**.

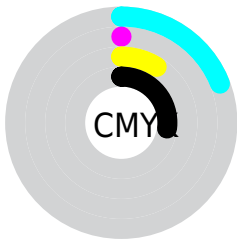
Distribution



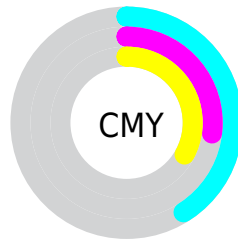
- Red (59%)
- Green (73%)
- Blue (67%)



- Red (59%)
- Yellow (69%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0222, 0.2963, 0.3530 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 45.0222, 0.2963, 0.3530 by changing the saturation by 10% instead.


 45.0222, 0.2963,
0.3530


 45.0222, 0.2963,
0.3530


366.8635, 0.3047,
0.3407

 31.4749, 0.2942,
0.3562


 82.7537, 0.2994,
0.3485

 20.9607, 0.2914,
0.3603


 107.7068, 0.3005,
0.3468

 13.0953, 0.2877,
0.3658

137.2305, 0.3015,
0.3454

 7.4942, 0.2823,
0.3738

171.7093, 0.3023,
0.3442

 3.7731, 0.2741,
0.3862

211.5276, 0.3030,
0.3431

 1.5474, 0.2600,
0.4080

257.0698, 0.3036,

 0.3218, 0.0000,

0.3422

0.9201

308.7203, 0.3042,
0.3414

0.0000, 0.0000,
0.0000

45.0222, 0.2963,
0.3530

45.0222, 0.2963,
0.3530

43.0511, 0.2884,
0.3675

47.3034, 0.3047,
0.3399

41.3706, 0.2812,
0.3832

49.9018, 0.3134,
0.3282

39.9677, 0.2751,
0.4001

52.8315, 0.3221,
0.3177

38.8261, 0.2703,
0.4179

56.1040, 0.3307,
0.3085

37.9280, 0.2673,
0.4362

59.7303, 0.3390,
0.3004

■ 37.2530, 0.2662,
0.4547

■ 62.1288, 0.3405,
0.2924

■ 36.7770, 0.2671,
0.4728

■ 62.6178, 0.3334,
0.2838

■ 36.4572, 0.2696,
0.4901

■ 63.1321, 0.3266,
0.2755

■ 36.4353, 0.2698,
0.4914

■ 63.6720, 0.3199,
0.2673

Harmonies

Analogous

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



45.0222, 0.3190, 0.3668



45.0222, 0.2963, 0.3530



45.0222, 0.2784, 0.3323

Triad

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



45.0222, 0.2963, 0.3530



45.0222, 0.2846, 0.2907



45.0222, 0.3578, 0.3438

Complementary

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



45.0222, 0.2963, 0.3530



35.5310, 0.3329, 0.3062

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.



45.0222, 0.3480, 0.3244



45.0222, 0.2963, 0.3530



45.0222, 0.3051, 0.2945

Square

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



45.0222, 0.2963, 0.3530



45.0222, 0.2718, 0.2966



45.0222, 0.3284, 0.3067



45.0222, 0.3550, 0.3603

Rectangle

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



45.0222, 0.2963, 0.3530



45.0222, 0.2714, 0.3180



45.0222, 0.3284, 0.3067



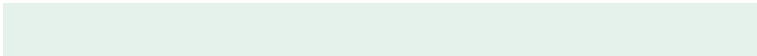
45.0222, 0.3559, 0.3374

Sweetspot

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



45.0241, 0.2963, 0.3530



86.1210, 0.3074, 0.3361



46.1455, 0.3250, 0.3787



18.9001, 0.3069, 0.3369



95.5105, 0.3127, 0.3290



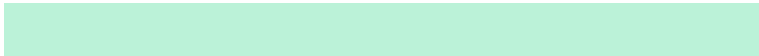
19.5994, 0.3127, 0.3290

Same Dimension

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



45.0241, 0.2963, 0.3530



79.1133, 0.2929, 0.3588



45.4557, 0.2842, 0.3281



10.7315, 0.3046, 0.3400



25.1188, 0.2693, 0.4894



0.9971, 0.2576, 0.4472

Inverse Universe

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



35.5310, 0.3329, 0.3062



59.0607, 0.3383, 0.3011



35.1318, 0.3498, 0.3299



9.6094, 0.3216, 0.3182



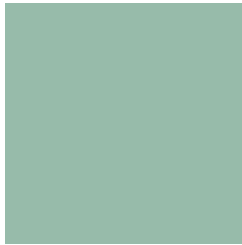
7.7829, 0.5050, 0.2556



0.3181, 0.4496, 0.2251

Previews

White Background



This preview shows how the Yxy color 45.0222, 0.2963, 0.3530 looks on a white background.

Color Contrast Check

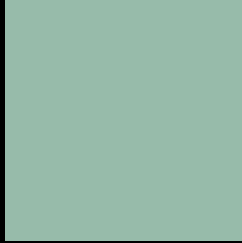
Large Text (above 18pt) WCAG AA × Fail

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 45.0222, 0.2963, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

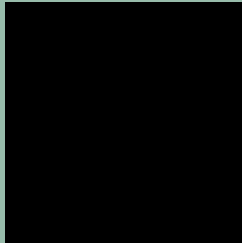
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0222, 0.2963, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 45.0222, 0.2963, 0.3530.



This preview shows how white text looks on a background with the Yxy color 45.0222, 0.2963, 0.3530.

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

45.0222, 0.2963, 0.3530

Protanopia

44.8717, 0.3296, 0.3462

Deuteranopia

44.9100, 0.3354, 0.3291



Tritanopia

45.0121, 0.2801, 0.3087

Trichromacy



Original Color

45.0222, 0.2963, 0.3530

Protanomaly

44.7220, 0.3170, 0.3480

Deuteranomaly

44.6431, 0.3202, 0.3370

Tritanomaly

44.7818, 0.2856, 0.3234

Monochromacy



Original Color

45.0222, 0.2963, 0.3530

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3643, 0.3063, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0222, 0.2963, 0.3530 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(151, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 187, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.0222, 0.2963, 0.3530 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(151, 187, 170) }
```

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

```
.border{ border-color:rgb(151, 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(151, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(151, 187,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0222, 0.2963, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 187, 170) }
```

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

```
.background{ background-color: rgb(151,  
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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