

Converting Colors

$Y_{xy}(45.2993, 0.2844, 0.3167)$

Have a look what the booklet for
Yxy(45.2993, 0.2844, 0.3167)
contains.

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Color

Yxy(45.2993, 0.2844, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8C1
RGB	157, 184, 193
RGB Percent	62%, 72%, 76%
CMY	0.3841, 0.2785, 0.2431
CMYK	0.19, 0.05, 0.00, 0.24
HSL	195°, 22%, 69%
HSV	195°, 19%, 76%
XYZ	40.6793, 45.2993, 57.0568
YIQ	176.9530, -18.9810, -2.9250

Conversions

Conversions Part 2

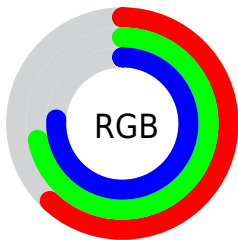
Format	Color
RYB	157, 172, 193
Decimal	10336449
CIELab	73.09, -7.20, -7.64
CIELCh	73, 10.498, 226.708
Yxy	45.2993, 0.2844, 0.3167
Android (android.graphics.Color)	4288526529 (0xFF9DB8C1)
YUV	176.9530, 7.9112, -17.4988
Hunter-Lab	67.3048, -9.8972, -3.1491

Details

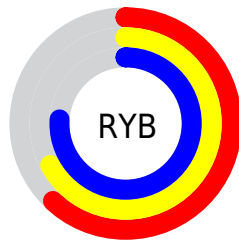
The Yxy color **45.2993, 0.2844, 0.3167** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0749, 0.3465, 0.3410**, and the grayscale version is **43.9115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1568, 0.2897, 0.3195**, and **21.1293, 0.2758, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **41.5325, 0.2696, 0.3092**, and if you desaturate by 10%, it is **49.4454, 0.2995, 0.3236**.

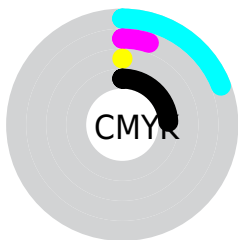
Distribution



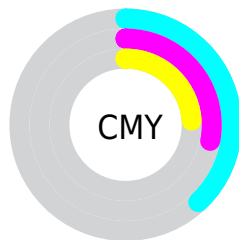
- Red (62%)
- Green (72%)
- Blue (76%)



- Red (62%)
- Yellow (67%)
- Blue (76%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)



- Cyan (38%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2993, 0.2844, 0.3167 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 45.2993, 0.2844, 0.3167 by changing the saturation by 10% instead.

■ 45.2993, 0.2844,
0.3167

■ 45.2993, 0.2844,
0.3167

■ 367.9844, 0.2985,
0.3230

■ 31.6932, 0.2809,
0.3151

■ 83.1694, 0.2895,
0.3190

■ 21.1273, 0.2764,
0.3130

■ 108.2022, 0.2914,
0.3199

■ 13.2171, 0.2704,
0.3101

■ 137.8126, 0.2931,
0.3206

■ 7.5782, 0.2622,
0.3060

■ 172.3852, 0.2945,
0.3212

■ 3.8263, 0.2499,
0.2997

■ 212.3043, 0.2957,
0.3218

■ 1.5769, 0.2299,
0.2888

■ 257.9542, 0.2967,

■ 0.3419, 0.1068,

0.3222

0.2446

309.7195, 0.2977,
0.3227

0.0000, 0.0000,
0.0000

45.2993, 0.2844,
0.3167

45.2993, 0.2844,
0.3167

41.5325, 0.2696,
0.3092

49.4454, 0.2995,
0.3236

38.1244, 0.2556,
0.3012

53.9793, 0.3148,
0.3298

35.0606, 0.2426,
0.2926

58.9161, 0.3299,
0.3354

32.3236, 0.2309,
0.2837

64.2684, 0.3448,
0.3404

29.8937, 0.2209,
0.2745

70.0483, 0.3591,
0.3449

■ 27.7490, 0.2127,
0.2652

■ 72.7207, 0.3591,
0.3497

■ 25.8637, 0.2065,
0.2558

■ 75.1938, 0.3579,
0.3546

■ 24.1959, 0.2021,
0.2466

■ 77.7403, 0.3568,
0.3594

■ 23.9760, 0.2015,
0.2454

■ 80.3607, 0.3557,
0.3641

Harmonies

Analogous

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



45.2993, 0.2895, 0.3298



45.2993, 0.2844, 0.3167



45.2993, 0.2867, 0.3074

Triad

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



45.2993, 0.2844, 0.3167



45.2993, 0.3245, 0.3155



45.2993, 0.3295, 0.3550

Complementary

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



45.2993, 0.2844, 0.3167



41.0749, 0.3465, 0.3410

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.



45.2993, 0.3393, 0.3504



45.2993, 0.2844, 0.3167



45.2993, 0.3364, 0.3275

Square

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



45.2993, 0.2844, 0.3167



45.2993, 0.3095, 0.3070



45.2993, 0.3419, 0.3402



45.2993, 0.3153, 0.3524

Rectangle

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



45.2993, 0.2844, 0.3167



45.2993, 0.2921, 0.3044



45.2993, 0.3419, 0.3402



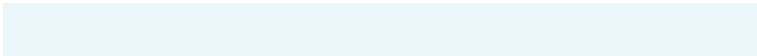
45.2993, 0.3334, 0.3542

Sweetspot

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



45.3012, 0.2844, 0.3167



90.5378, 0.3034, 0.3252



48.0728, 0.3039, 0.3663



19.3117, 0.3024, 0.3248



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.3012, 0.2844, 0.3167



78.5403, 0.2789, 0.3140



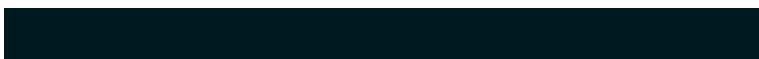
38.3128, 0.2830, 0.2916



10.9866, 0.2984, 0.3231



16.0774, 0.2018, 0.2466



0.7988, 0.2075, 0.2671

Inverse Universe

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



38.9317, 0.3230, 0.2944



65.3632, 0.3254, 0.2872



48.0648, 0.3424, 0.3638



10.2029, 0.3175, 0.3119



8.9053, 0.3957, 0.1953



0.3953, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 45.2993, 0.2844, 0.3167 looks on a white background.

Color Contrast Check

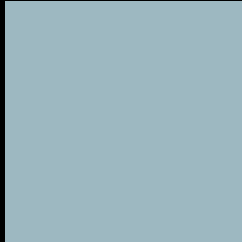
Large Text (above 18pt) WCAG AA × Fail

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 45.2993, 0.2844, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

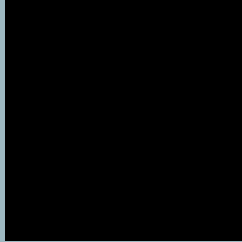
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

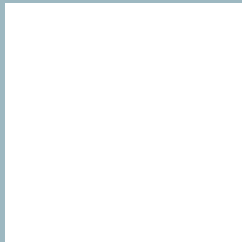
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2993, 0.2844, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 45.2993, 0.2844, 0.3167.



This preview shows how white text looks on a background with the Yxy color 45.2993, 0.2844, 0.3167.

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

45.2993, 0.2844, 0.3167

Protanopia

45.0986, 0.3048, 0.3146

Deuteranopia

45.0311, 0.3087, 0.3024



Tritanopia

45.2133, 0.2816, 0.3088

Trichromacy



Original Color

45.2993, 0.2844, 0.3167

Protanomaly

45.0181, 0.2974, 0.3157

Deuteranomaly

45.0829, 0.2993, 0.3081

Tritanomaly

45.1216, 0.2830, 0.3114

Monochromacy



Original Color

45.2993, 0.2844, 0.3167

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6075, 0.3019, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2993, 0.2844, 0.3167 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(157, 184, 193)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 193)  
}
```

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(157, 184, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.2993, 0.2844, 0.3167 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(157, 184, 193) }
```

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

```
.border{ border-color:rgb(157, 184, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 184, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 184, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 184, 193);  
box-shadow:4px 4px 4px 4px rgb(157, 184,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2993, 0.2844, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 193) }
```

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

```
.background{ background-color: rgb(157,  
184, 193) }
```

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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