

Converting Colors

$Y_{xy}(42.7741, 0.2865, 0.3212)$

Have a look what the booklet for
Yxy(42.7741, 0.2865, 0.3212)
contains.

Yxy(42.9176, 0.2867, 0.3220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.9176, 0.2867, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	99B4B9
RGB	153, 180, 185
RGB Percent	60%, 71%, 73%
CMY	0.4000, 0.2941, 0.2746
CMYK	0.17, 0.03, 0.00, 0.27
HSL	189°, 19%, 66%
HSV	189°, 17%, 73%
XYZ	38.2127, 42.9176, 52.1542
YIQ	172.4970, -17.6970, -4.1690

Conversions

Conversions Part 2

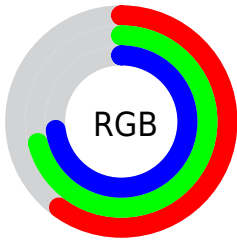
Format	Color
RYB	153, 168, 185
Decimal	10073273
CIELab	71.50, -8.12, -5.62
CIELCh	71, 9.880, 214.702
Yxy	42.9176, 0.2867, 0.3220
Android (android.graphics.Color)	4288263353 (0xFF99B4B9)
YUV	172.4970, 6.1640, -17.0989
Hunter-Lab	65.5115, -10.5267, -1.3431

Details

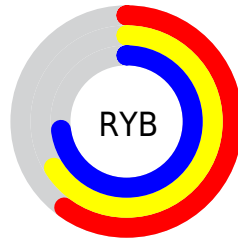
The Yxy color $42.9176, 0.2867, 0.3220$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $37.0540, 0.3442, 0.3359$, and the grayscale version is $41.4949, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.7517, 0.2917, 0.3236$, and $19.6114, 0.2786, 0.3192$ is the 20% darker color. If you saturate the color by 10%, you get $40.1083, 0.2724, 0.3175$, and if you desaturate by 10%, it is $46.0335, 0.3016, 0.3262$.

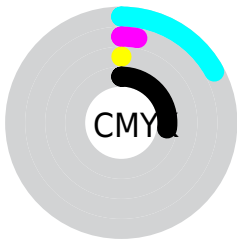
Distribution



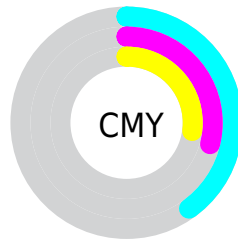
- Red (60%)
- Green (71%)
- Blue (73%)



- Red (60%)
- Yellow (66%)
- Blue (73%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)





- Cyan (40%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9176, 0.2867, 0.3220 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 42.9176, 0.2867, 0.3220 by changing the saturation by 10% instead.


 42.9176, 0.2867,
0.3220

 42.9176, 0.2867,
0.3220


358.2728, 0.2998,
0.3257

 29.8205, 0.2834,
0.3210


 79.5865, 0.2915,
0.3234

 19.7024, 0.2792,
0.3197


 103.9271, 0.2933,
0.3239

 12.1789, 0.2735,
0.3180


132.7842, 0.2948,
0.3243

 6.8656, 0.2655,
0.3154

166.5424, 0.2961,
0.3247

 3.3782, 0.2534,
0.3113

205.5859, 0.2972,
0.3250

 1.3322, 0.2333,
0.3037

250.2992, 0.2982,

 0.1659, 0.0000,

0.3252

0.2243

301.0667, 0.2990,
0.3255

0.0000, 0.0000,
0.0000

42.9176, 0.2867,
0.3220

42.9176, 0.2867,
0.3220

40.1083, 0.2724,
0.3175

46.0335, 0.3016,
0.3262

37.5873, 0.2590,
0.3126

49.4629, 0.3169,
0.3300

35.3425, 0.2469,
0.3075

53.2189, 0.3322,
0.3334

33.3587, 0.2362,
0.3022

57.3124, 0.3474,
0.3365

31.6190, 0.2273,
0.2968

61.7536, 0.3623,
0.3392

■ 30.1045, 0.2202,
0.2912

■ 64.8083, 0.3694,
0.3419

■ 28.7932, 0.2151,
0.2857

■ 66.1281, 0.3686,
0.3449

■ 27.6531, 0.2116,
0.2803

■ 67.4731, 0.3678,
0.3479

■ 27.3575, 0.2108,
0.2788

■ 68.8431, 0.3670,
0.3508

Harmonies

Analogous

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



42.9176, 0.2942, 0.3351



42.9176, 0.2867, 0.3220



42.9176, 0.2860, 0.3113

Triad

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



42.9176, 0.2867, 0.3220



42.9176, 0.3184, 0.3123



42.9176, 0.3333, 0.3529

Complementary

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



42.9176, 0.2867, 0.3220



37.0540, 0.3442, 0.3359

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.



42.9176, 0.3401, 0.3461



42.9176, 0.2867, 0.3220



42.9176, 0.3314, 0.3228

Square

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



42.9176, 0.2867, 0.3220



42.9176, 0.3041, 0.3060



42.9176, 0.3395, 0.3350



42.9176, 0.3210, 0.3533

Rectangle

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



42.9176, 0.2867, 0.3220



42.9176, 0.2895, 0.3068



42.9176, 0.3395, 0.3350



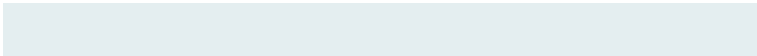
42.9176, 0.3363, 0.3513

Sweetspot

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



42.9194, 0.2867, 0.3220



83.7756, 0.3050, 0.3271



43.9214, 0.3069, 0.3680



17.9707, 0.3039, 0.3268



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.



42.9194, 0.2867, 0.3220



74.7839, 0.2808, 0.3202



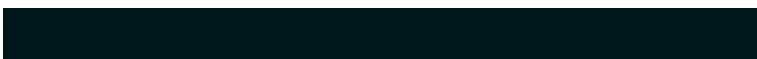
36.8936, 0.2856, 0.2994



9.9665, 0.2985, 0.3254



18.7204, 0.2110, 0.2795



0.7247, 0.2149, 0.2935

Inverse Universe

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



36.3894, 0.3193, 0.2931



60.8437, 0.3210, 0.2845



42.7997, 0.3407, 0.3570



9.1381, 0.3161, 0.3099



8.6722, 0.3639, 0.1778



0.3123, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 42.9176, 0.2867, 0.3220 looks on a white background.

Color Contrast Check

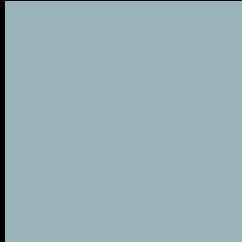
Large Text (above 18pt) WCAG AA × Fail

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 42.9176, 0.2867, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

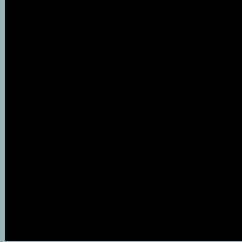
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

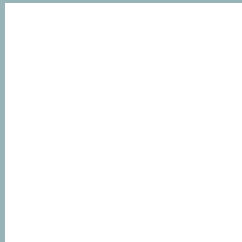
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9176, 0.2867, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 42.9176, 0.2867, 0.3220.



This preview shows how white text looks on a background with the Yxy color 42.9176, 0.2867, 0.3220.

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

42.9176, 0.2867, 0.3220

Protanopia

42.8384, 0.3088, 0.3196

Deuteranopia

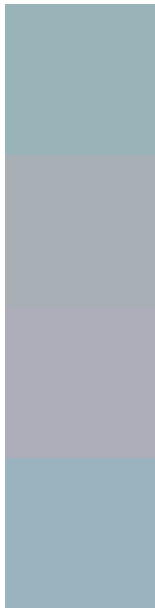
42.7764, 0.3129, 0.3070



Tritanopia

43.0590, 0.2824, 0.3097

Trichromacy



Original Color

42.9176, 0.2867, 0.3220

Protanomaly

42.7529, 0.3010, 0.3208

Deuteranomaly

42.8159, 0.3030, 0.3130

Tritanomaly

42.8279, 0.2838, 0.3137

Monochromacy



Original Color

42.9176, 0.2867, 0.3220

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8336, 0.3024, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9176, 0.2867, 0.3220 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(153, 180, 185)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 185)  
}
```

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(153, 180, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 185) }
```

Border

The CSS property to change the border of an element to Yxy 42.9176, 0.2867, 0.3220 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(153, 180, 185) }
```

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

```
.border{ border-color:rgb(153, 180, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 185);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9176, 0.2867, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 185) }
```

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

```
.background{ background-color: rgb(153,  
180, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor