

Converting Colors

$Y_{xy}(46.9211, 0.2853, 0.3162)$

Have a look what the booklet for
Yxy(46.9211, 0.2853, 0.3162)
contains.

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Color

Yxy(47.1032, 0.2855, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	A1BBC4
RGB	161, 187, 196
RGB Percent	63%, 73%, 77%
CMY	0.3686, 0.2667, 0.2312
CMYK	0.18, 0.05, 0.00, 0.23
HSL	195°, 23%, 70%
HSV	195°, 18%, 77%
XYZ	42.4360, 47.1032, 59.0982
YIQ	180.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

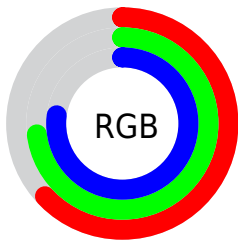
Format	Color
RYB	161, 176, 196
Decimal	10599364
CIELab	74.26, -6.88, -7.53
CIELCh	74, 10.201, 227.572
Yxy	47.1032, 0.2855, 0.3169
Android (android.graphics.Color)	4288789444 (0xFFA1BBC4)
YUV	180.2520, 7.7638, -16.8840
Hunter-Lab	68.6318, -9.7366, -3.0119

Details

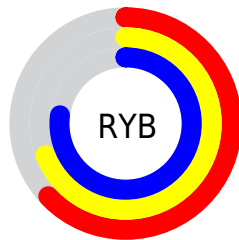
The Yxy color **47.1032, 0.2855, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.0792, 0.3448, 0.3408**, and the grayscale version is **45.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7920, 0.2900, 0.3186**, and **22.2544, 0.2784, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **43.1177, 0.2706, 0.3092**, and if you desaturate by 10%, it is **51.4874, 0.3007, 0.3239**.

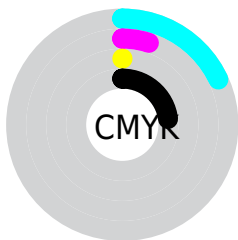
Distribution



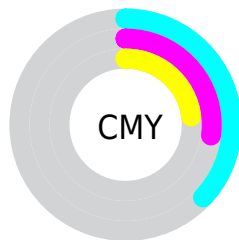
- Red (63%)
- Green (73%)
- Blue (77%)



- Red (63%)
- Yellow (69%)
- Blue (77%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (37%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1032, 0.2855, 0.3169 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 47.1032, 0.2855, 0.3169 by changing the saturation by 10% instead.


 47.1032, 0.2855,
0.3169

 47.1032, 0.2855,
0.3169


375.2263, 0.2990,
0.3231

 33.1172, 0.2822,
0.3153


 85.8676, 0.2904,
0.3192

 22.2163, 0.2779,
0.3133


 111.4149, 0.2922,
0.3200

 14.0159, 0.2723,
0.3106


141.5848, 0.2938,
0.3207

 8.1317, 0.2646,
0.3067


176.7616, 0.2951,
0.3213

 4.1794, 0.2532,
0.3008

217.3297, 0.2963,
0.3218

 1.7744, 0.2349,
0.2907

263.6737, 0.2973,

 0.4711, 0.1561,

0.3223

0.2629

316.1777, 0.2982,
0.3227

0.0000, 0.0000,
0.0000

47.1032, 0.2855,
0.3169

47.1032, 0.2855,
0.3169

43.1177, 0.2706,
0.3092

51.4874, 0.3007,
0.3239

39.5095, 0.2565,
0.3010

56.2792, 0.3160,
0.3303

36.2638, 0.2433,
0.2922

61.4942, 0.3311,
0.3360

33.3622, 0.2314,
0.2830

67.1456, 0.3458,
0.3411

30.7847, 0.2211,
0.2735

72.4742, 0.3570,
0.3458

■ 28.5084, 0.2127,
0.2639

■ 75.0464, 0.3559,
0.3509

■ 26.5069, 0.2063,
0.2543

■ 77.6985, 0.3547,
0.3559

■ 24.7412, 0.2017,
0.2448

■ 80.4312, 0.3536,
0.3609

■ 24.3815, 0.2008,
0.2428

■ 83.2452, 0.3525,
0.3659

Harmonies

Analogous

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



47.1032, 0.2902, 0.3294



47.1032, 0.2855, 0.3169



47.1032, 0.2879, 0.3081

Triad

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



47.1032, 0.2855, 0.3169



47.1032, 0.3244, 0.3164



47.1032, 0.3285, 0.3539

Complementary

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



47.1032, 0.2855, 0.3169



43.0792, 0.3448, 0.3408

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.



47.1032, 0.3381, 0.3497



47.1032, 0.2855, 0.3169



47.1032, 0.3357, 0.3280

Square

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



47.1032, 0.2855, 0.3169



47.1032, 0.3101, 0.3080



47.1032, 0.3407, 0.3401



47.1032, 0.3148, 0.3512

Rectangle

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



47.1032, 0.2855, 0.3169



47.1032, 0.2932, 0.3053



47.1032, 0.3407, 0.3401



47.1032, 0.3323, 0.3533

Sweetspot

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



47.1051, 0.2855, 0.3169



95.5812, 0.3050, 0.3258



49.9658, 0.3042, 0.3647



20.3287, 0.3039, 0.3253



0.0000, 0.0000, 0.0000



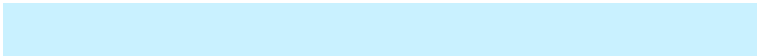
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1051, 0.2855, 0.3169



82.7217, 0.2803, 0.3143



40.2265, 0.2843, 0.2932



10.9744, 0.2984, 0.3229



15.8053, 0.2011, 0.2441



0.7889, 0.2070, 0.2652

Inverse Universe

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



40.8209, 0.3227, 0.2961



69.6055, 0.3250, 0.2895



49.9717, 0.3411, 0.3624



10.2017, 0.3176, 0.3121



8.8778, 0.3981, 0.1967



0.3943, 0.3774, 0.1852

Previews

White Background



This preview shows how the Yxy color 47.1032, 0.2855, 0.3169 looks on a white background.

Color Contrast Check

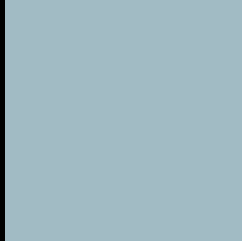
Large Text (above 18pt) WCAG AA × Fail

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 47.1032, 0.2855, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

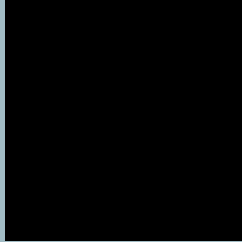
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

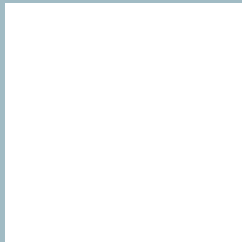
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1032, 0.2855, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 47.1032, 0.2855, 0.3169.



This preview shows how white text looks on a background with the Yxy color 47.1032, 0.2855, 0.3169.

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

47.1032, 0.2855, 0.3169

Protanopia

46.9208, 0.3058, 0.3149

Deuteranopia

46.8590, 0.3097, 0.3029



Tritanopia

47.0162, 0.2827, 0.3091

Trichromacy



Original Color

47.1032, 0.2855, 0.3169

Protanomaly

46.8312, 0.2984, 0.3159

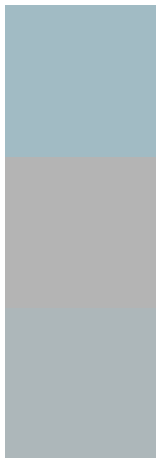
Deuteranomaly

46.9027, 0.3003, 0.3085

Tritanomaly

46.9227, 0.2841, 0.3117

Monochromacy



Original Color

47.1032, 0.2855, 0.3169

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2964, 0.3021, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1032, 0.2855, 0.3169 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(161, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(161, 187, 196)  
}
```

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(161, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 187, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.1032, 0.2855, 0.3169 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(161, 187, 196) }
```

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

```
.border{ border-color:rgb(161, 187, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 187, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 187, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 187, 196);  
box-shadow:4px 4px 4px 4px rgb(161, 187,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1032, 0.2855, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 187, 196) }
```

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

```
.background{ background-color: rgb(161,  
187, 196) }
```

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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