

Converting Colors

Yxy(63.4382, 0.2800, 0.3476)

Have a look what the booklet for
Yxy(63.4382, 0.2800, 0.3476)
contains.

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Color

Yxy(63.4382, 0.2800, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	9EDDCE
RGB	158, 221, 206
RGB Percent	62%, 87%, 81%
CMY	0.3804, 0.1333, 0.1920
CMYK	0.29, 0.00, 0.07, 0.13
HSL	166°, 48%, 74%
HSV	166°, 29%, 87%
XYZ	51.1010, 63.4382, 67.9643
YIQ	200.4530, -32.7330, -18.0210

Conversions

Conversions Part 2

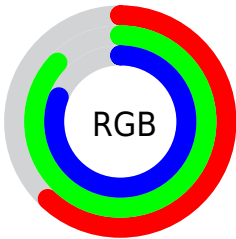
Format	Color
R _Y B	158, 194, 221
Decimal	10411470
CIE Lab	83.67, -23.05, 0.92
CIE LCh	84, 23.073, 177.703
Yxy	63.4382, 0.2800, 0.3476
Android (android.graphics.Color)	4288601550 (0xFF9EDDCE)
YUV	200.4530, 2.7347, -37.2313
Hunter-Lab	79.6481, -24.8614, 5.1611

Details

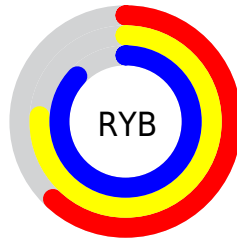
The Yxy color **63.4382, 0.2800, 0.3476** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8436, 0.3603, 0.3113**, and the grayscale version is **58.0535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **32.4825, 0.2714, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **61.1464, 0.2702, 0.3552**, and if you desaturate by 10%, it is **66.1466, 0.2908, 0.3405**.

Distribution



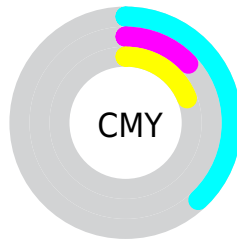
- Red (62%)
- Green (87%)
- Blue (81%)



- Red (62%)
- Yellow (76%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)





- Cyan (38%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4382, 0.2800, 0.3476 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 63.4382, 0.2800, 0.3476 by changing the saturation by 10% instead.

 63.4382, 0.2800,
0.3476


 63.4382, 0.2800,
0.3476


437.1581, 0.2955,
0.3388

 46.1958, 0.2764,
0.3497


 109.8015, 0.2855,
0.3445

 32.4004, 0.2718,
0.3523


 139.6911, 0.2876,
0.3433

 21.6675, 0.2660,
0.3556


174.5653, 0.2894,
0.3423

 13.6128, 0.2582,
0.3601

214.8084, 0.2909,
0.3414

 7.8518, 0.2474,
0.3664

260.8048, 0.2923,
0.3406

 4.0003, 0.2313,
0.3758

312.9390, 0.2935,

 1.6737, 0.2050,

0.3399

0.3915

371.5953, 0.2945,
0.3393

0.4066, 0.0000,
0.5182

0.0000, 0.0000,
0.0000

63.4382, 0.2800,
0.3476

63.4382, 0.2800,
0.3476

61.1464, 0.2702,
0.3552

66.1466, 0.2908,
0.3405

59.2419, 0.2618,
0.3633

69.2841, 0.3025,
0.3340

57.7035, 0.2549,
0.3718

72.8719, 0.3145,
0.3282

56.5048, 0.2500,
0.3805

76.9276, 0.3269,
0.3229

■ 55.6161, 0.2469,
0.3894

■ 78.8159, 0.3295,
0.3178

■ 55.0019, 0.2459,
0.3983

■ 79.1193, 0.3259,
0.3127

■ 54.6097, 0.2466,
0.4070

■ 79.4317, 0.3223,
0.3076

■ 54.5589, 0.2468,
0.4083

■ 79.7532, 0.3188,
0.3026

■ 80.0838, 0.3154,
0.2976

Harmonies

Analogous

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



63.4382, 0.3065, 0.3707



63.4382, 0.2800, 0.3476



63.4382, 0.2626, 0.3198

Triad

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



63.4382, 0.2800, 0.3476



63.4382, 0.2884, 0.2818



63.4382, 0.3704, 0.3580

Complementary

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



63.4382, 0.2800, 0.3476



42.8436, 0.3603, 0.3113

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.



63.4382, 0.3654, 0.3344



63.4382, 0.2800, 0.3476



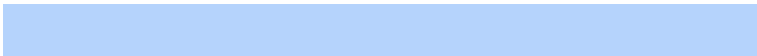
63.4382, 0.3169, 0.2919

Square

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



63.4382, 0.2800, 0.3476



63.4382, 0.2673, 0.2831



63.4382, 0.3455, 0.3107



63.4382, 0.3592, 0.3755

Rectangle

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



63.4382, 0.2800, 0.3476



63.4382, 0.2581, 0.3033



63.4382, 0.3455, 0.3107



63.4382, 0.3706, 0.3505

Sweetspot

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



63.4408, 0.2800, 0.3476



95.5579, 0.3018, 0.3344



63.1525, 0.3199, 0.4087



20.3100, 0.3000, 0.3353



0.0000, 0.0000, 0.0000



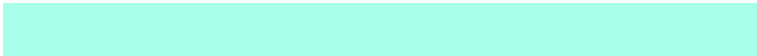
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4408, 0.2800, 0.3476



85.8414, 0.2742, 0.3519



56.2733, 0.2695, 0.3092



14.7739, 0.3014, 0.3346



31.7122, 0.2464, 0.4070



2.0675, 0.2424, 0.3927

Inverse Universe

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



42.8436, 0.3603, 0.3113



53.0459, 0.3739, 0.3076



48.0181, 0.3701, 0.3479



13.1020, 0.3254, 0.3235



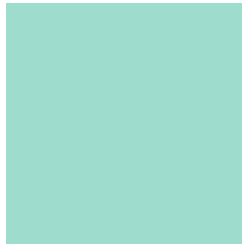
9.0914, 0.5958, 0.3056



0.6025, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 63.4382, 0.2800, 0.3476 looks on a white background.

Color Contrast Check

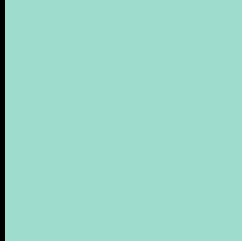
Large Text (above 18pt) WCAG AA × Fail

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 63.4382, 0.2800, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

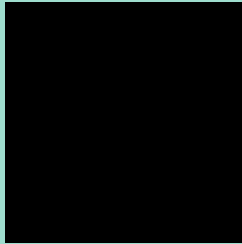
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

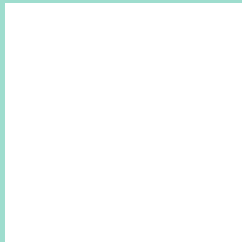
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4382, 0.2800, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 63.4382, 0.2800, 0.3476.

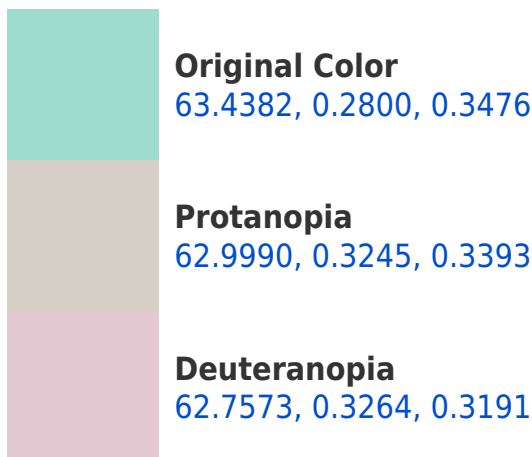


This preview shows how white text looks on a background with the Yxy color 63.4382, 0.2800, 0.3476.

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

63.4587, 0.2673, 0.3086

Trichromacy



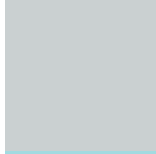
Original Color

63.4382, 0.2800, 0.3476



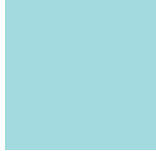
Protanomaly

62.7733, 0.3070, 0.3421



Deuteranomaly

62.2718, 0.3076, 0.3278



Tritanomaly

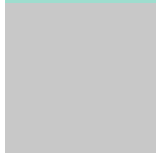
63.2060, 0.2718, 0.3216

Monochromacy



Original Color

63.4382, 0.2800, 0.3476



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.6903, 0.2998, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4382, 0.2800, 0.3476 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(158, 221, 206)` looks like.

```
.text, #text, p{  
    color:rgb(158, 221, 206)  
}
```

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(158, 221, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 221, 206) }
```

Border

The CSS property to change the border of an element to Yxy 63.4382, 0.2800, 0.3476 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(158, 221, 206) }
```

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

```
.border{ border-color:rgb(158, 221, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 221, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 221, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 221, 206);  
box-shadow:4px 4px 4px 4px rgb(158, 221,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4382, 0.2800, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 221, 206) }
```

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

```
.background{ background-color: rgb(158,  
221, 206) }
```

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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