

Converting Colors

$Yxy(63.7641, 0.2785, 0.3809)$

Have a look what the booklet for
Yxy(63.7641, 0.2785, 0.3809)
contains.

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Color

Yxy(63.7603, 0.2786, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	88E3BB
RGB	136, 227, 187
RGB Percent	53%, 89%, 73%
CMY	0.4669, 0.1098, 0.2666
CMYK	0.40, 0.00, 0.18, 0.11
HSL	154°, 62%, 71%
HSV	154°, 40%, 89%
XYZ	46.5870, 63.7603, 56.8709
YIQ	195.2310, -41.3960, -31.7320

Conversions

Conversions Part 2

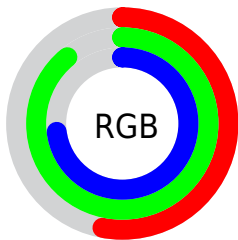
Format	Color
RYB	136, 194, 227
Decimal	8971195
CIELab	83.84, -36.12, 11.07
CIELCh	84, 37.781, 162.958
Yxy	63.7603, 0.2786, 0.3813
Android (android.graphics.Color)	4287161275 (0xFF88E3BB)
YUV	195.2310, -4.0579, -51.9456
Hunter-Lab	79.8500, -35.5952, 13.6674

Details

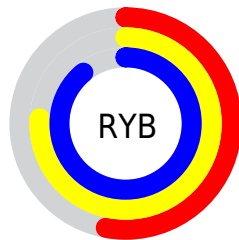
The Yxy color **63.7603, 0.2786, 0.3813** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.0605, 0.3687, 0.2828**, and the grayscale version is **54.7567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3285, 0.2828, 0.3417**, and **32.5964, 0.2697, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **61.6476, 0.2723, 0.3972**, and if you desaturate by 10%, it is **66.3103, 0.2861, 0.3664**.

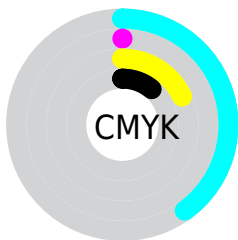
Distribution



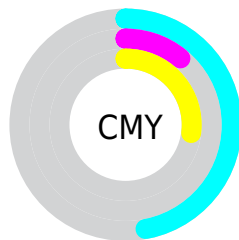
- Red (53%)
- Green (89%)
- Blue (73%)



- Red (53%)
- Yellow (76%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (47%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7603, 0.2786, 0.3813 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 63.7603, 0.2786, 0.3813 by changing the saturation by 10% instead.

 63.7603, 0.2786,
0.3813


 63.7603, 0.2786,
0.3813

438.3235, 0.2952,
0.3556


 46.4566, 0.2746,
0.3876

 110.2657, 0.2845,
0.3721

 32.6063, 0.2696,
0.3955


 140.2361, 0.2868,
0.3686

 21.8250, 0.2630,
0.4060


 175.1975, 0.2887,
0.3656

 13.7284, 0.2541,
0.4203

215.5343, 0.2903,
0.3630

 7.9320, 0.2413,
0.4411

261.6309, 0.2918,
0.3608

 4.0515, 0.2217,
0.4738

313.8717, 0.2931,

 1.7024, 0.1812,

0.3589

0.5368

372.6411, 0.2942,
0.3571

0.4252, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.7603, 0.2786,
0.3813

63.7603, 0.2786,
0.3813

61.6476, 0.2723,
0.3972

66.3103, 0.2861,
0.3664

59.9381, 0.2675,
0.4140


69.3138, 0.2945,
0.3527


58.6054, 0.2644,
0.4312

72.7955, 0.3034,
0.3403


57.6160, 0.2634,
0.4486

76.7762, 0.3126,
0.3291

 56.9304, 0.2645,
0.4656

 81.2753, 0.3219,
0.3192

 56.4841, 0.2672,
0.4818

 82.9100, 0.3192,
0.3097

 83.4242, 0.3140,
0.3019

Harmonies

Analogous

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



63.7603, 0.3245, 0.4109



63.7603, 0.2786, 0.3813



63.7603, 0.2435, 0.3351

Triad

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



63.7603, 0.2786, 0.3813



63.7603, 0.2548, 0.2528



63.7603, 0.4069, 0.3552

Complementary

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



63.7603, 0.2786, 0.3813



37.0605, 0.3687, 0.2828

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.



63.7603, 0.3858, 0.3173



63.7603, 0.2786, 0.3813



63.7603, 0.2951, 0.2608

Square

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



63.7603, 0.2786, 0.3813



63.7603, 0.2309, 0.2627



63.7603, 0.3436, 0.2838



63.7603, 0.4002, 0.3902

Rectangle

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



63.7603, 0.2786, 0.3813



63.7603, 0.2301, 0.3046



63.7603, 0.3436, 0.2838



63.7603, 0.4029, 0.3425

Sweetspot

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



63.7629, 0.2786, 0.3813



93.8156, 0.3016, 0.3426



66.0593, 0.3347, 0.4419



19.9486, 0.3004, 0.3442



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.



63.7629, 0.2786, 0.3813



80.7021, 0.2733, 0.3943



63.2632, 0.2567, 0.3232



16.2238, 0.3040, 0.3395



32.9620, 0.2665, 0.4794



2.4544, 0.2598, 0.4552

Inverse Universe

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



37.0605, 0.3687, 0.2828



41.4865, 0.3859, 0.2738



37.0133, 0.4120, 0.3346



14.4726, 0.3224, 0.3187



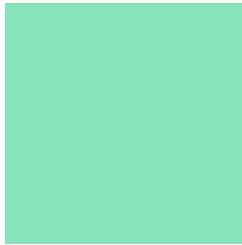
10.0802, 0.5210, 0.2644



0.7633, 0.4846, 0.2443

Previews

White Background



This preview shows how the Yxy color 63.7603, 0.2786, 0.3813 looks on a white background.

Color Contrast Check

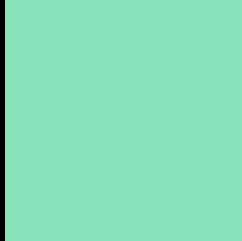
Large Text (above 18pt) WCAG AA × Fail

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 63.7603, 0.2786, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

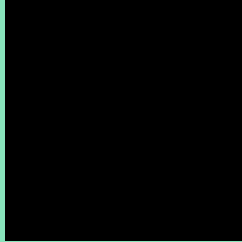
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

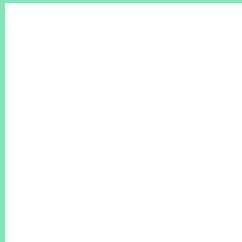
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7603, 0.2786, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 63.7603, 0.2786, 0.3813.

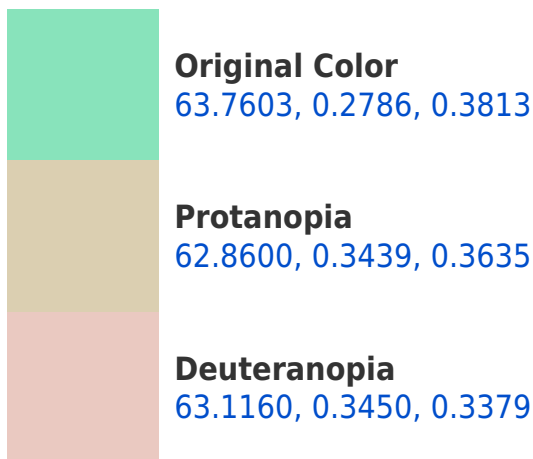


This preview shows how white text looks on a background with the Yxy color 63.7603, 0.2786, 0.3813.

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

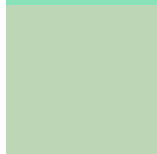
63.6553, 0.2569, 0.3071

Trichromacy



Original Color

63.7603, 0.2786, 0.3813



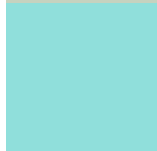
Protanomaly

62.2481, 0.3167, 0.3693



Deuteranomaly

61.8605, 0.3169, 0.3517



Tritanomaly

63.8191, 0.2651, 0.3339

Monochromacy



Original Color

63.7603, 0.2786, 0.3813



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.4301, 0.2986, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7603, 0.2786, 0.3813 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(136, 227, 187)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 187)  
}
```

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(136, 227, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 187) }
```

Border

The CSS property to change the border of an element to Yxy 63.7603, 0.2786, 0.3813 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(136, 227, 187) }
```

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

```
.border{ border-color:rgb(136, 227, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 187); box-shadow:4px 4px 4px 4px rgb(136, 227, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7603, 0.2786, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 187) }
```

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

```
.background{ background-color: rgb(136,  
227, 187) }
```

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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