

# Converting Colors

$Yxy(62.8865, 0.2773, 0.3747)$

Have a look what the booklet for  
Yxy(62.8865, 0.2773, 0.3747)  
contains.

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# Color

**Yxy(62.8865, 0.2773, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89E1BE
RGB	137, 225, 190
RGB Percent	54%, 88%, 75%
CMY	0.4626, 0.1176, 0.2549
CMYK	0.39, 0.00, 0.16, 0.12
HSL	156°, 59%, 71%
HSV	156°, 39%, 88%
XYZ	46.5397, 62.8865, 58.4054
YIQ	194.6980, -41.2130, -29.5410

# Conversions

## Conversions Part 2

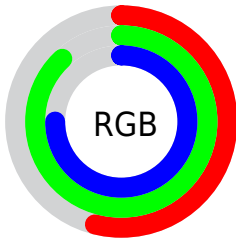
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 192, 225</a>
Decimal	<a href="#">9036222</a>
CIELab	<a href="#">83.38, -34.28, 8.85</a>
CIELCh	<a href="#">83, 35.404, 165.530</a>
Yxy	<a href="#">62.8865, 0.2773, 0.3747</a>
Android (android.graphics.Color)	<a href="#">4287226302 (0xFF89E1BE)</a>
YUV	<a href="#">194.6980, -2.3161, -50.6011</a>
Hunter-Lab	<a href="#">79.3010, -34.0198, 11.8435</a>

# Details

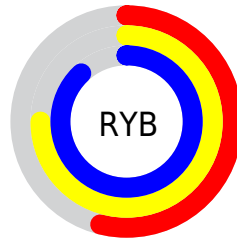
The Yxy color **62.8865, 0.2773, 0.3747** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.8856, 0.3707, 0.2882**, and the grayscale version is **54.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5113, 0.2813, 0.3385**, and **31.9759, 0.2678, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **60.8018, 0.2704, 0.3889**, and if you desaturate by 10%, it is **65.3968, 0.2854, 0.3614**.

# Distribution



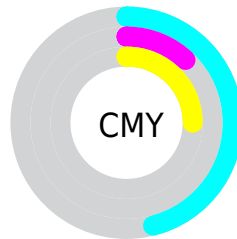
- Red (54%)
- Green (88%)
- Blue (75%)



- Red (54%)
- Yellow (75%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (46%)
- Magenta (12%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8865, 0.2773, 0.3747 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 62.8865, 0.2773, 0.3747 by changing the saturation by 10% instead.



 62.8865, 0.2773,  
0.3747

 62.8865, 0.2773,  
0.3747

435.1575, 0.2944,  
0.3523


 45.7494, 0.2732,  
0.3802


 109.0057, 0.2834,  
0.3667

 32.0481, 0.2680,  
0.3871


 138.7567, 0.2857,  
0.3636

 21.3982, 0.2613,  
0.3961


 173.4810, 0.2877,  
0.3610

 13.4154, 0.2523,  
0.4085

213.5631, 0.2894,  
0.3588

 7.7152, 0.2394,  
0.4265

259.3874, 0.2909,  
0.3569

 3.9133, 0.2197,  
0.4547

311.3383, 0.2922,

 1.6252, 0.1790,

0.3552

0.5092

369.8002, 0.2934,  
0.3537

0.3745, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8865, 0.2773,  
0.3747

62.8865, 0.2773,  
0.3747

60.8018, 0.2704,  
0.3889

65.3968, 0.2854,  
0.3614

59.1098, 0.2651,  
0.4039


68.3482, 0.2943,  
0.3492

57.7850, 0.2615,  
0.4193


71.7645, 0.3038,  
0.3381


56.7955, 0.2600,  
0.4349


75.6658, 0.3136,  
0.3281


 56.1035, 0.2605,  
0.4504


 80.0709, 0.3235,  
0.3193

 55.6499, 0.2628,  
0.4654

 81.6239, 0.3214,  
0.3107

 55.6140, 0.2630,  
0.4668

 82.1800, 0.3156,  
0.3021

 82.3303, 0.3141,  
0.2999

# Harmonies

## Analogous

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



62.8865, 0.3202, 0.4043



62.8865, 0.2773, 0.3747



62.8865, 0.2453, 0.3310

# Triad

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



62.8865, 0.2773, 0.3747



62.8865, 0.2608, 0.2569



62.8865, 0.4019, 0.3571

# Complementary

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



62.8865, 0.2773, 0.3747



36.8856, 0.3707, 0.2882

# 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.



62.8865, 0.3841, 0.3211



62.8865, 0.2773, 0.3747



62.8865, 0.3000, 0.2658

# Square

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



62.8865, 0.2773, 0.3747



62.8865, 0.2365, 0.2649



62.8865, 0.3457, 0.2887



62.8865, 0.3935, 0.3894



# Rectangle

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



62.8865, 0.2773, 0.3747



62.8865, 0.2336, 0.3029



62.8865, 0.3457, 0.2887



62.8865, 0.3988, 0.3452

# Sweetspot

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



62.8891, 0.2773, 0.3747



93.8920, 0.3009, 0.3413



64.4523, 0.3310, 0.4399



19.9666, 0.2997, 0.3428



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

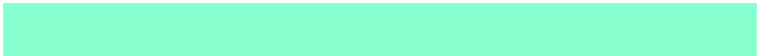


# Same Dimension

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



62.8891, 0.2773, 0.3747



81.2046, 0.2716, 0.3863



59.9724, 0.2571, 0.3177



15.4752, 0.3035, 0.3385



32.0710, 0.2624, 0.4645



2.2405, 0.2559, 0.4412



# Inverse Universe

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



36.8856, 0.3707, 0.2882



42.0412, 0.3891, 0.2798



38.3180, 0.4062, 0.3397



13.7904, 0.3230, 0.3197



9.6662, 0.5379, 0.2737

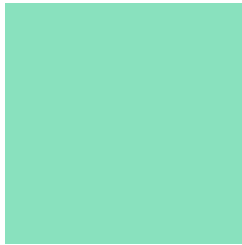


0.6873, 0.4970, 0.2512



# Previews

## White Background



This preview shows how the Yxy color 62.8865, 0.2773, 0.3747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

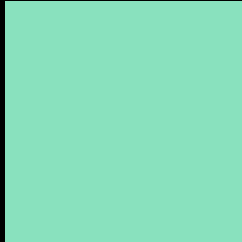
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8865, 0.2773, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

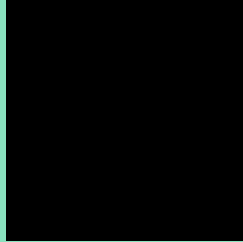
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8865, 0.2773, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8865, 0.2773, 0.3747.

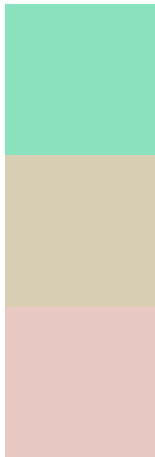


This preview shows how white text looks on a background with the Yxy color 62.8865, 0.2773, 0.3747.

# 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

62.8865, 0.2773, 0.3747

### Protanopia

62.0368, 0.3394, 0.3592

### Deuteranopia

62.2376, 0.3412, 0.3346



## Tritanopia

63.0151, 0.2577, 0.3082

# Trichromacy



## Original Color

62.8865, 0.2773, 0.3747



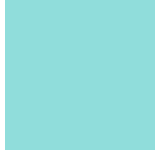
## Protanomaly

61.6140, 0.3132, 0.3646



## Deuteranomaly

61.3215, 0.3148, 0.3481



## Tritanomaly

62.7567, 0.2648, 0.3314

# Monochromacy



## Original Color

62.8865, 0.2773, 0.3747



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

56.9915, 0.2979, 0.3454

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8865, 0.2773, 0.3747 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(137, 225, 190)` looks like.

```
.text, #text, p{  
    color:rgb(137, 225, 190)  
}
```

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(137, 225, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 225, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8865, 0.2773, 0.3747 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(137, 225, 190) }
```

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

```
.border{ border-color:rgb(137, 225, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 225, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 225, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 225, 190); box-shadow:4px 4px 4px 4px rgb(137, 225, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8865, 0.2773, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 225, 190) }
```

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

```
.background{ background-color: rgb(137,  
225, 190) }
```

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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