

Converting Colors

$Yxy(63.5964, 0.2727, 0.3632)$

Have a look what the booklet for
Yxy(63.5964, 0.2727, 0.3632)
contains.

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Color

Yxy(63.8346, 0.2725, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	89E2C7
RGB	137, 226, 199
RGB Percent	54%, 89%, 78%
CMY	0.4629, 0.1137, 0.2197
CMYK	0.39, 0.00, 0.12, 0.11
HSL	162°, 61%, 71%
HSV	162°, 39%, 89%
XYZ	47.8145, 63.8346, 63.8171
YIQ	196.3110, -44.3770, -27.2650

Conversions

Conversions Part 2

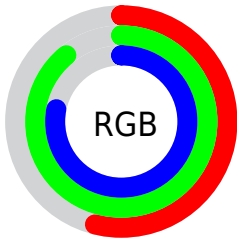
Format	Color
RYB	137, 189, 226
Decimal	9036487
CIELab	83.88, -32.86, 4.83
CIELCh	84, 33.210, 171.634
Yxy	63.8346, 0.2725, 0.3638
Android (android.graphics.Color)	4287226567 (0xFF89E2C7)
YUV	196.3110, 1.3257, -52.0157
Hunter-Lab	79.8966, -32.9947, 8.5699

Details

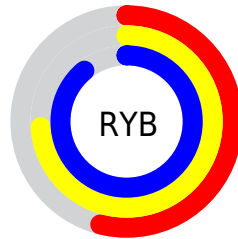
The Yxy color **63.8346, 0.2725, 0.3638** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.7327, 0.3807, 0.2975**, and the grayscale version is **55.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **32.5431, 0.2621, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **61.8120, 0.2648, 0.3744**, and if you desaturate by 10%, it is **66.2767, 0.2815, 0.3538**.

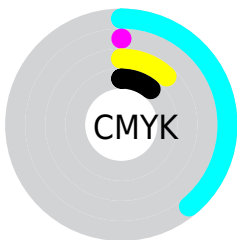
Distribution



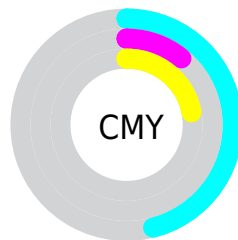
- Red (54%)
- Green (89%)
- Blue (78%)



- Red (54%)
- Yellow (74%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8346, 0.2725, 0.3638 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 63.8346, 0.2725, 0.3638 by changing the saturation by 10% instead.


 63.8346, 0.2725,
0.3638

 63.8346, 0.2725,
0.3638


438.5921, 0.2917,
0.3470

 46.5167, 0.2680,
0.3678


 110.3727, 0.2793,
0.3578

 32.6538, 0.2623,
0.3729


 140.3617, 0.2819,
0.3555

 21.8613, 0.2551,
0.3795


 175.3432, 0.2841,
0.3536

 13.7551, 0.2454,
0.3884

215.7016, 0.2860,
0.3519

 7.9505, 0.2318,
0.4011

261.8213, 0.2877,
0.3505

 4.0633, 0.2115,
0.4205

314.0867, 0.2892,

 1.7090, 0.1755,

0.3492

372.8822, 0.2905,
0.3480

0.4555

0.4295, 0.0000,
0.7679

0.0000, 0.0000,
0.0000

63.8346, 0.2725,
0.3638

63.8346, 0.2725,
0.3638

61.8120, 0.2648,
0.3744

66.2767, 0.2815,
0.3538

60.1758, 0.2587,
0.3856

69.1538, 0.2915,
0.3446

58.9004, 0.2544,
0.3971

72.4899, 0.3023,
0.3362

57.9536, 0.2521,
0.4087

76.3049, 0.3134,
0.3286

■ 57.2974, 0.2519,
0.4203

■ 80.6178, 0.3247,
0.3218

■ 56.8698, 0.2534,
0.4318

■ 81.9596, 0.3237,
0.3151

■ 56.8469, 0.2535,
0.4325

■ 82.3756, 0.3192,
0.3085

■ 82.8072, 0.3148,
0.3020

■ 82.8794, 0.3140,
0.3009

Harmonies

Analogous

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



63.8346, 0.3114, 0.3951



63.8346, 0.2725, 0.3638



63.8346, 0.2454, 0.3228

Triad

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



63.8346, 0.2725, 0.3638



63.8346, 0.2707, 0.2618



63.8346, 0.3963, 0.3624

Complementary

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



63.8346, 0.2725, 0.3638



36.7327, 0.3807, 0.2975

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.



63.8346, 0.3845, 0.3287



63.8346, 0.2725, 0.3638



63.8346, 0.3095, 0.2731

Square

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



63.8346, 0.2725, 0.3638



63.8346, 0.2445, 0.2661



63.8346, 0.3519, 0.2969



63.8346, 0.3840, 0.3907

Rectangle

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



63.8346, 0.2725, 0.3638



63.8346, 0.2368, 0.2977



63.8346, 0.3519, 0.2969



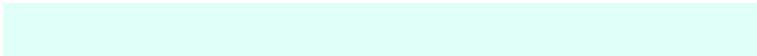
63.8346, 0.3951, 0.3513

Sweetspot

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



63.8372, 0.2725, 0.3638



94.0672, 0.2993, 0.3384



64.2215, 0.3259, 0.4428



20.0079, 0.2979, 0.3395



0.0000, 0.0000, 0.0000



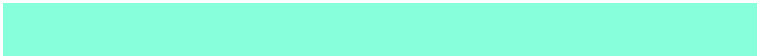
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8372, 0.2725, 0.3638



81.7772, 0.2663, 0.3722



56.7459, 0.2552, 0.3081



15.4978, 0.3022, 0.3362



32.4492, 0.2530, 0.4306



2.2649, 0.2481, 0.4130

Inverse Universe

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



36.7327, 0.3807, 0.2975



41.5908, 0.4017, 0.2914



40.8536, 0.4037, 0.3485



13.7687, 0.3245, 0.3219



9.4853, 0.5741, 0.2936



0.6730, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 63.8346, 0.2725, 0.3638 looks on a white background.

Color Contrast Check

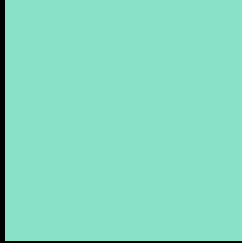
Large Text (above 18pt) WCAG AA × Fail

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 63.8346, 0.2725, 0.3638 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

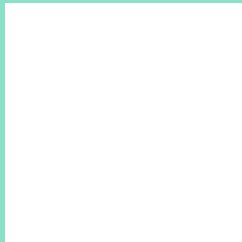
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8346, 0.2725, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 63.8346, 0.2725, 0.3638.

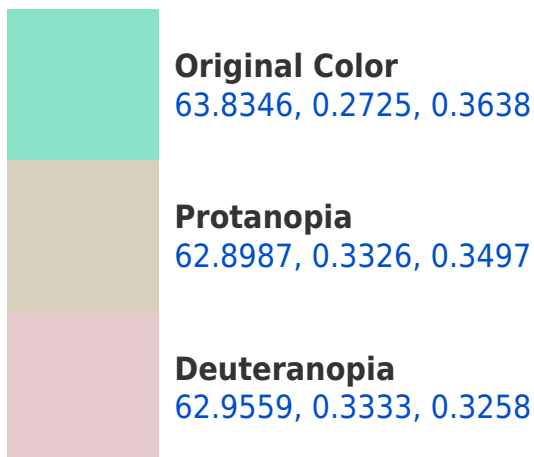


This preview shows how white text looks on a background with the Yxy color 63.8346, 0.2725, 0.3638.

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

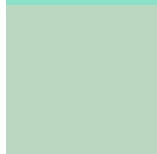
63.5625, 0.2563, 0.3071

Trichromacy



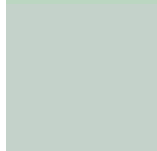
Original Color

63.8346, 0.2725, 0.3638



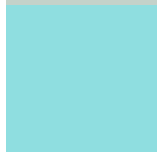
Protanomaly

62.5082, 0.3072, 0.3545



Deuteranomaly

62.0932, 0.3078, 0.3385



Tritanomaly

63.4640, 0.2618, 0.3264

Monochromacy



Original Color

63.8346, 0.2725, 0.3638



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.7708, 0.2960, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8346, 0.2725, 0.3638 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, 226, 199)` looks like.

```
.text, #text, p{  
    color:rgb(137, 226, 199)  
}
```

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, 226, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 226, 199) }
```

Border

The CSS property to change the border of an element to Yxy 63.8346, 0.2725, 0.3638 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, 226, 199) }
```

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

```
.border{ border-color:rgb(137, 226, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 226, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 226, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 226, 199); box-shadow:4px 4px 4px 4px rgb(137, 226, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8346, 0.2725, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 226, 199) }
```

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

```
.background{ background-color: rgb(137,  
226, 199) }
```

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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