

Converting Colors

$Yxy(63.8450, 0.2777, 0.3740)$

Have a look what the booklet for
Yxy(63.8450, 0.2777, 0.3740)
contains.

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Color

Yxy(63.6875, 0.2774, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	8BE2C0
RGB	139, 226, 192
RGB Percent	55%, 89%, 75%
CMY	0.4551, 0.1137, 0.2471
CMYK	0.39, 0.00, 0.15, 0.11
HSL	157°, 60%, 72%
HSV	157°, 39%, 89%
XYZ	47.3517, 63.6875, 59.6590
YIQ	196.1110, -40.9380, -29.0180

Conversions

Conversions Part 2

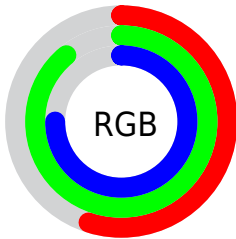
Format	Color
RYB	139, 193, 226
Decimal	9167552
CIELab	83.80, -33.81, 8.42
CIELCh	84, 34.845, 166.022
Yxy	63.6875, 0.2774, 0.3731
Android (android.graphics.Color)	4287357632 (0xFF8BE2C0)
YUV	196.1110, -2.0267, -50.0863
Hunter-Lab	79.8044, -33.7455, 11.5400

Details

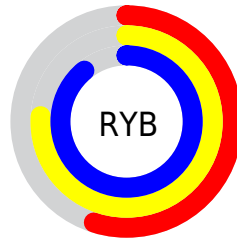
The Yxy color **63.6875, 0.2774, 0.3731** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.6404, 0.3702, 0.2895**, and the grayscale version is **55.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8994, 0.2814, 0.3363**, and **32.4983, 0.2679, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **61.5623, 0.2704, 0.3870**, and if you desaturate by 10%, it is **66.2434, 0.2856, 0.3601**.

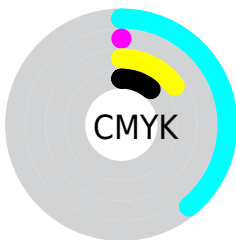
Distribution



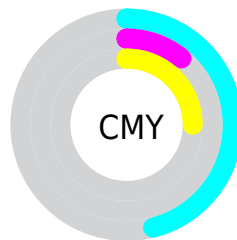
- Red (55%)
- Green (89%)
- Blue (75%)



- Red (55%)
- Yellow (76%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6875, 0.2774, 0.3731 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 63.6875, 0.2774, 0.3731 by changing the saturation by 10% instead.


 63.6875, 0.2774,
0.3731


 63.6875, 0.2774,
0.3731


438.0603, 0.2944,
0.3516

 46.3976, 0.2733,
0.3783

 110.1608, 0.2834,
0.3654

 32.5597, 0.2682,
0.3849


 140.1129, 0.2857,
0.3625

 21.7894, 0.2616,
0.3936


175.0546, 0.2877,
0.3600

 13.7022, 0.2527,
0.4054

215.3703, 0.2894,
0.3578

 7.9138, 0.2401,
0.4224

261.4443, 0.2909,
0.3560

 4.0399, 0.2209,
0.4490


313.6610, 0.2922,

 1.6959, 0.1843,

0.3543

0.4984

372.4049, 0.2934,
0.3529


 0.4210, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 63.6875, 0.2774,
0.3731


 63.6875, 0.2774,
0.3731


 61.5623, 0.2704,
0.3870


 66.2434, 0.2856,
0.3601


 59.8348, 0.2649,
0.4016

 69.2456, 0.2946,
0.3482

 58.4793, 0.2612,
0.4168

 72.7182, 0.3043,
0.3374

 57.4639, 0.2594,
0.4321

 76.6811, 0.3142,
0.3276

■ 56.7509, 0.2598,
0.4473

■ 81.1534, 0.3242,
0.3189

■ 56.2848, 0.2619,
0.4621

■ 82.2513, 0.3205,
0.3104

■ 56.2251, 0.2623,
0.4643

■ 82.8037, 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.



63.6875, 0.3194, 0.4024



63.6875, 0.2774, 0.3731



63.6875, 0.2462, 0.3303

Triad

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



63.6875, 0.2774, 0.3731



63.6875, 0.2623, 0.2583



63.6875, 0.4002, 0.3573

Complementary

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



63.6875, 0.2774, 0.3731



37.6404, 0.3702, 0.2895

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.



63.6875, 0.3831, 0.3219



63.6875, 0.2774, 0.3731



63.6875, 0.3010, 0.2672

Square

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



63.6875, 0.2774, 0.3731



63.6875, 0.2382, 0.2659



63.6875, 0.3458, 0.2899



63.6875, 0.3916, 0.3888

Rectangle

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



63.6875, 0.2774, 0.3731



63.6875, 0.2349, 0.3029



63.6875, 0.3458, 0.2899



63.6875, 0.3973, 0.3455

Sweetspot

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



63.6901, 0.2774, 0.3731



93.9048, 0.3008, 0.3411



65.2357, 0.3308, 0.4381



19.9696, 0.2995, 0.3425



0.0000, 0.0000, 0.0000



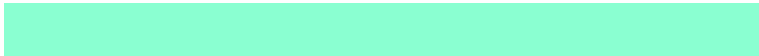
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6901, 0.2774, 0.3731



81.5089, 0.2718, 0.3839



60.7611, 0.2578, 0.3179



15.4768, 0.3034, 0.3383



32.0965, 0.2617, 0.4620



2.2422, 0.2553, 0.4391

Inverse Universe

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



37.6404, 0.3702, 0.2895



42.7926, 0.3876, 0.2816



39.1081, 0.4043, 0.3396



13.7888, 0.3231, 0.3199



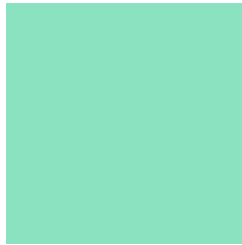
9.6511, 0.5407, 0.2752



0.6862, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 63.6875, 0.2774, 0.3731 looks on a white background.

Color Contrast Check

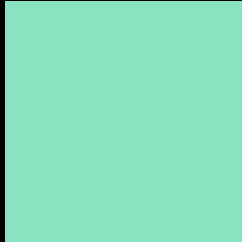
Large Text (above 18pt) WCAG AA × Fail

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 63.6875, 0.2774, 0.3731 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 63.6875, 0.2774, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 63.6875, 0.2774, 0.3731.



This preview shows how white text looks on a background with the Yxy color 63.6875, 0.2774, 0.3731.

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

63.6875, 0.2774, 0.3731

Protanopia

62.9085, 0.3394, 0.3578

Deuteranopia

62.9603, 0.3403, 0.3335



Tritanopia

63.7849, 0.2584, 0.3084

Trichromacy



Original Color

63.6875, 0.2774, 0.3731



Protanomaly

62.4571, 0.3133, 0.3631



Deuteranomaly

62.0391, 0.3141, 0.3468



Tritanomaly

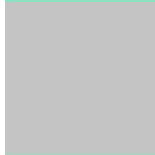
63.5740, 0.2650, 0.3301

Monochromacy



Original Color

63.6875, 0.2774, 0.3731



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.6797, 0.2973, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6875, 0.2774, 0.3731 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(139, 226, 192)` looks like.

```
.text, #text, p{  
    color:rgb(139, 226, 192)  
}
```

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(139, 226, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 226, 192) }
```

Border

The CSS property to change the border of an element to Yxy 63.6875, 0.2774, 0.3731 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(139, 226, 192) }
```

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

```
.border{ border-color:rgb(139, 226, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 226, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 226, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 226, 192);  
box-shadow:4px 4px 4px 4px rgb(139, 226,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6875, 0.2774, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 226, 192) }
```

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

```
.background{ background-color: rgb(139,  
226, 192) }
```

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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