

Converting Colors

$Y_{xy}(63.7511, 0.2660, 0.3481)$

Have a look what the booklet for
Yxy(63.7511, 0.2660, 0.3481)
contains.

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Color

Yxy(63.7378, 0.2660, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	88E1D2
RGB	136, 225, 210
RGB Percent	53%, 88%, 82%
CMY	0.4664, 0.1177, 0.1765
CMYK	0.40, 0.00, 0.07, 0.12
HSL	170°, 60%, 71%
HSV	170°, 40%, 88%
XYZ	48.7191, 63.7378, 70.6977
YIQ	196.6790, -48.2290, -23.5330

Conversions

Conversions Part 2

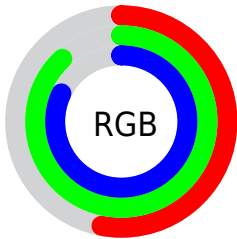
Format	Color
RYB	136, 185, 225
Decimal	8970706
CIELab	83.83, -30.15, -1.07
CIELCh	84, 30.166, 182.026
Yxy	63.7378, 0.2660, 0.3480
Android (android.graphics.Color)	4287160786 (0xFF88E1D2)
YUV	196.6790, 6.5673, -53.2155
Hunter-Lab	79.8360, -30.7850, 3.3817

Details

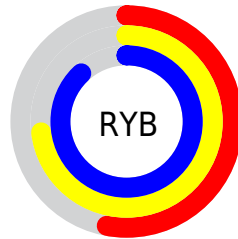
The Yxy color **63.7378, 0.2660, 0.3480** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8745, 0.3947, 0.3115**, and the grayscale version is **55.6239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **32.4817, 0.2541, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **61.8617, 0.2571, 0.3537**, and if you desaturate by 10%, it is **66.0189, 0.2764, 0.3426**.

Distribution



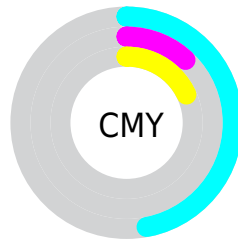
- Red (53%)
- Green (88%)
- Blue (82%)



- Red (53%)
- Yellow (73%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)



- Cyan (47%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7378, 0.2660, 0.3480 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 63.7378, 0.2660, 0.3480 by changing the saturation by 10% instead.


 63.7378, 0.2660,
0.3480


 63.7378, 0.2660,
0.3480


438.2422, 0.2880,
0.3391


 46.4383, 0.2609,
0.3500

 110.2332, 0.2737,
0.3449

 32.5919, 0.2545,
0.3526

 140.1980, 0.2767,
0.3437

 21.8140, 0.2464,
0.3558


 175.1533, 0.2792,
0.3427

 13.7203, 0.2357,
0.3600

215.4836, 0.2815,
0.3418

 7.9264, 0.2209,
0.3658

261.5732, 0.2834,
0.3410

 4.0479, 0.1992,
0.3741

313.8066, 0.2851,

 1.7004, 0.1639,

0.3403

372.5681, 0.2866,
0.3397

0.3875

0.4239, 0.0000,
0.4416

0.0000, 0.0000,
0.0000

63.7378, 0.2660,
0.3480

63.7378, 0.2660,
0.3480

61.8617, 0.2571,
0.3537

66.0189, 0.2764,
0.3426

60.3581, 0.2499,
0.3596


68.7203, 0.2879,
0.3376

59.2016, 0.2446,
0.3656

71.8654, 0.3003,
0.3330

58.3606, 0.2413,
0.3717

75.4741, 0.3134,
0.3288


 57.7976, 0.2398,
0.3778


 79.5647, 0.3267,
0.3250

 57.4504, 0.2400,
0.3838

 80.9771, 0.3287,
0.3213

 57.4356, 0.2400,
0.3841

 81.1962, 0.3262,
0.3176

 81.4200, 0.3236,
0.3139

 81.6486, 0.3211,
0.3102

Harmonies

Analogous

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



63.7378, 0.2987, 0.3807



63.7378, 0.2660, 0.3480



63.7378, 0.2462, 0.3113

Triad

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



63.7378, 0.2660, 0.3480



63.7378, 0.2858, 0.2695



63.7378, 0.3872, 0.3697

Complementary

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



63.7378, 0.2660, 0.3480



35.8745, 0.3947, 0.3115

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.



63.7378, 0.3841, 0.3398



63.7378, 0.2660, 0.3480



63.7378, 0.3235, 0.2842

Square

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



63.7378, 0.2660, 0.3480



63.7378, 0.2571, 0.2685



63.7378, 0.3602, 0.3093



63.7378, 0.3693, 0.3915

Rectangle

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



63.7378, 0.2660, 0.3480



63.7378, 0.2422, 0.2909



63.7378, 0.3602, 0.3093



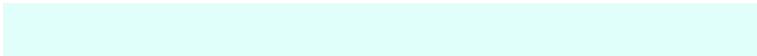
63.7378, 0.3887, 0.3602

Sweetspot

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



63.7403, 0.2660, 0.3480



94.3231, 0.2971, 0.3342



62.3390, 0.3177, 0.4461



20.0684, 0.2954, 0.3348



0.0000, 0.0000, 0.0000



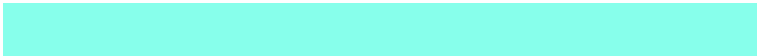
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7403, 0.2660, 0.3480



82.6683, 0.2589, 0.3524



50.5356, 0.2527, 0.2923



15.5305, 0.3004, 0.3330



33.1143, 0.2398, 0.3831



2.3060, 0.2372, 0.3738

Inverse Universe

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



35.8745, 0.3947, 0.3115



41.0091, 0.4200, 0.3083



44.4218, 0.3983, 0.3624



13.7381, 0.3266, 0.3251



9.3165, 0.6145, 0.3159



0.6573, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 63.7378, 0.2660, 0.3480 looks on a white background.

Color Contrast Check

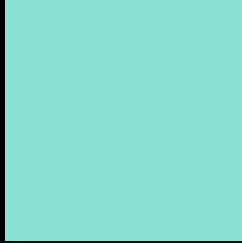
Large Text (above 18pt) WCAG AA × Fail

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 63.7378, 0.2660, 0.3480 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

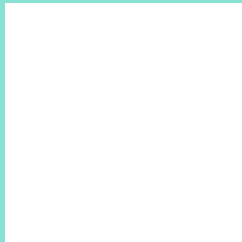
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7378, 0.2660, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 63.7378, 0.2660, 0.3480.



This preview shows how white text looks on a background with the Yxy color 63.7378, 0.2660, 0.3480.

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

63.7378, 0.2660, 0.3480

Protanopia

63.0919, 0.3230, 0.3370

Deuteranopia

63.1549, 0.3211, 0.3147



Tritanopia

63.7845, 0.2540, 0.3070

Trichromacy



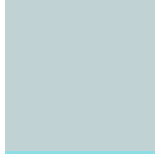
Original Color

63.7378, 0.2660, 0.3480



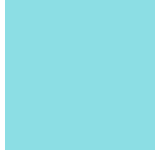
Protanomaly

62.8919, 0.2993, 0.3410



Deuteranomaly

62.2347, 0.2983, 0.3254



Tritanomaly

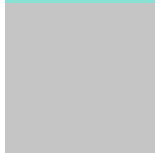
63.4194, 0.2582, 0.3214

Monochromacy



Original Color

63.7378, 0.2660, 0.3480



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.0039, 0.2927, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7378, 0.2660, 0.3480 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, 225, 210)` looks like.

```
.text, #text, p{  
    color:rgb(136, 225, 210)  
}
```

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, 225, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 225, 210) }
```

Border

The CSS property to change the border of an element to Yxy 63.7378, 0.2660, 0.3480 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, 225, 210) }
```

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

```
.border{ border-color:rgb(136, 225, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 225, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 225, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 225, 210);  
box-shadow:4px 4px 4px 4px rgb(136, 225,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7378, 0.2660, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 225, 210) }
```

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

```
.background{ background-color: rgb(136,  
225, 210) }
```

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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