

Converting Colors

$Y_{xy}(63.2960, 0.2713, 0.3676)$

Have a look what the booklet for
Yxy(63.2960, 0.2713, 0.3676)
contains.

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Color

Yxy(63.2838, 0.2715, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	84E2C4
RGB	132, 226, 196
RGB Percent	52%, 89%, 77%
CMY	0.4822, 0.1137, 0.2315
CMYK	0.42, 0.00, 0.13, 0.11
HSL	161°, 62%, 70%
HSV	161°, 42%, 89%
XYZ	46.6763, 63.2838, 61.9600
YIQ	194.4740, -46.3940, -29.2580

Conversions

Conversions Part 2

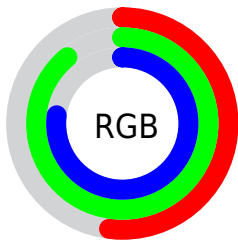
Format	Color
RYB	132, 188, 226
Decimal	8708804
CIELab	83.59, -34.80, 5.97
CIElCh	84, 35.305, 170.257
Yxy	63.2838, 0.2715, 0.3681
Android (android.graphics.Color)	4286898884 (0xFF84E2C4)
YUV	194.4740, 0.7523, -54.7897
Hunter-Lab	79.5511, -34.4803, 9.5066

Details

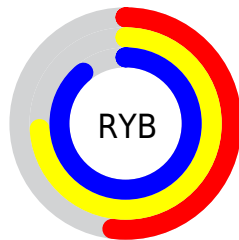
The Yxy color **63.2838, 0.2715, 0.3681** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.2913, 0.3845, 0.2940**, and the grayscale version is **54.2645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4307, 0.2757, 0.3310**, and **32.2389, 0.2613, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **61.3359, 0.2643, 0.3795**, and if you desaturate by 10%, it is **65.6473, 0.2801, 0.3574**.

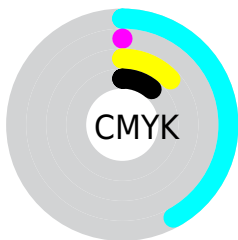
Distribution



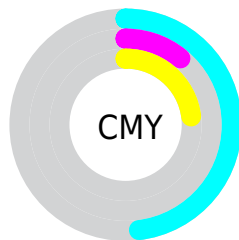
- Red (52%)
- Green (89%)
- Blue (77%)



- Red (52%)
- Yellow (74%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (48%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2838, 0.2715, 0.3681 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 63.2838, 0.2715, 0.3681 by changing the saturation by 10% instead.

 63.2838, 0.2715,
0.3681

 63.2838, 0.2715,
0.3681


436.5987, 0.2912,
0.3491


 46.0708, 0.2668,
0.3727


 109.5788, 0.2785,
0.3613

 32.3017, 0.2610,
0.3785


 139.4297, 0.2811,
0.3587

 21.5921, 0.2534,
0.3860


 174.2620, 0.2834,
0.3565

 13.5575, 0.2433,
0.3962

214.4601, 0.2854,
0.3547

 7.8135, 0.2292,
0.4109

260.4085, 0.2871,
0.3530

 3.9759, 0.2079,
0.4335

312.4914, 0.2887,

 1.6601, 0.1666,

0.3516

0.4764

371.0934, 0.2900,
0.3503

0.3976, 0.0000,
0.9631

0.0000, 0.0000,
0.0000

63.2838, 0.2715,
0.3681

63.2838, 0.2715,
0.3681

61.3359, 0.2643,
0.3795

65.6473, 0.2801,
0.3574

59.7700, 0.2587,
0.3913


68.4424, 0.2897,
0.3475

58.5596, 0.2550,
0.4036


71.6935, 0.3001,
0.3384

57.6715, 0.2533,
0.4159

75.4209, 0.3110,
0.3302


 57.0658, 0.2536,
0.4281


 79.6436, 0.3220,
0.3229

 56.7196, 0.2551,
0.4383

 81.9043, 0.3243,
0.3159

 82.3406, 0.3195,
0.3090

 82.7941, 0.3148,
0.3021

 82.8741, 0.3140,
0.3009

Harmonies

Analogous

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



63.2838, 0.3132, 0.4008



63.2838, 0.2715, 0.3681



63.2838, 0.2421, 0.3241

Triad

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



63.2838, 0.2715, 0.3681



63.2838, 0.2663, 0.2576



63.2838, 0.4019, 0.3626

Complementary

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



63.2838, 0.2715, 0.3681



35.2913, 0.3845, 0.2940

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.



63.2838, 0.3882, 0.3268



63.2838, 0.2715, 0.3681



63.2838, 0.3071, 0.2688

Square

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



63.2838, 0.2715, 0.3681



63.2838, 0.2395, 0.2628



63.2838, 0.3524, 0.2935



63.2838, 0.3896, 0.3933

Rectangle

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



63.2838, 0.2715, 0.3681



63.2838, 0.2325, 0.2971



63.2838, 0.3524, 0.2935



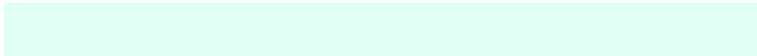
63.2838, 0.4002, 0.3508

Sweetspot

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



63.2863, 0.2715, 0.3681



94.0373, 0.2996, 0.3389



63.8850, 0.3274, 0.4494



20.0009, 0.2982, 0.3400



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.



63.2863, 0.2715, 0.3681



80.9384, 0.2651, 0.3780



56.6609, 0.2528, 0.3088



15.4939, 0.3024, 0.3366



32.3802, 0.2546, 0.4364



2.2605, 0.2494, 0.4177

Inverse Universe

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



35.2913, 0.3845, 0.2940



39.4047, 0.4080, 0.2872



38.9199, 0.4117, 0.3478



13.7724, 0.3242, 0.3215



9.5121, 0.5683, 0.2904



0.6753, 0.5245, 0.2663

Previews

White Background



This preview shows how the Yxy color 63.2838, 0.2715, 0.3681 looks on a white background.

Color Contrast Check

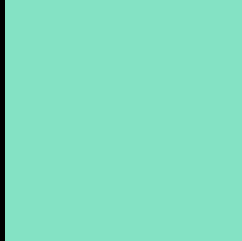
Large Text (above 18pt) WCAG AA × Fail

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 63.2838, 0.2715, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

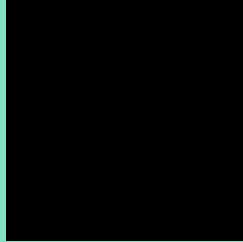
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

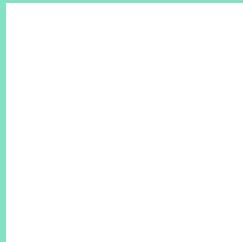
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2838, 0.2715, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 63.2838, 0.2715, 0.3681.

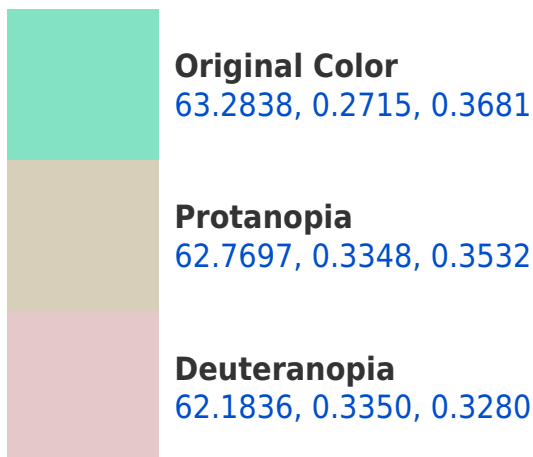


This preview shows how white text looks on a background with the Yxy color 63.2838, 0.2715, 0.3681.

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

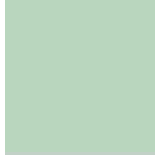
63.1991, 0.2543, 0.3070

Trichromacy



Original Color

63.2838, 0.2715, 0.3681



Protanomaly

62.1251, 0.3077, 0.3583



Deuteranomaly

61.1938, 0.3084, 0.3410



Tritanomaly

63.0592, 0.2602, 0.3276

Monochromacy



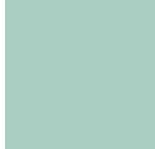
Original Color

63.2838, 0.2715, 0.3681



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.7407, 0.2944, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2838, 0.2715, 0.3681 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(132, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(132, 226, 196)  
}
```

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(132, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 226, 196) }
```

Border

The CSS property to change the border of an element to Yxy 63.2838, 0.2715, 0.3681 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(132, 226, 196) }
```

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

```
.border{ border-color:rgb(132, 226, 196) }
```

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

Here you see how a box with a 4 pixel rgb(132, 226, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(132, 226,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2838, 0.2715, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 226, 196) }
```

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

```
.background{ background-color: rgb(132,  
226, 196) }
```

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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