

Converting Colors

$Yxy(64.5537, 0.2703, 0.3289)$

Have a look what the booklet for
Yxy(64.5537, 0.2703, 0.3289)
contains.

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Color

Yxy(64.5844, 0.2700, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	9CDEDE
RGB	156, 222, 222
RGB Percent	61%, 87%, 87%
CMY	0.3881, 0.1294, 0.1295
CMYK	0.30, 0.00, 0.00, 0.13
HSL	180°, 50%, 74%
HSV	180°, 30%, 87%
XYZ	53.0185, 64.5844, 78.7619
YIQ	202.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

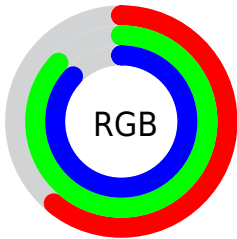
Format	Color
RYB	156, 189, 222
Decimal	10280670
CIELab	84.27, -20.60, -6.66
CIElCh	84, 21.652, 197.906
Yxy	64.5844, 0.2700, 0.3289
Android (android.graphics.Color)	4288470750 (0xFF9CDEDE)
YUV	202.2660, 9.7289, -40.5753
Hunter-Lab	80.3644, -22.8766, -1.8527

Details

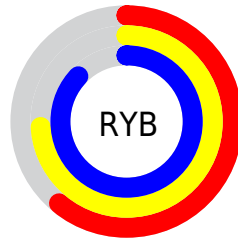
The Yxy color **64.5844, 0.2700, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7209, 0.3789, 0.3292**, and the grayscale version is **59.1988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **33.2522, 0.2598, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **62.5699, 0.2581, 0.3289**, and if you desaturate by 10%, it is **67.0088, 0.2833, 0.3289**.

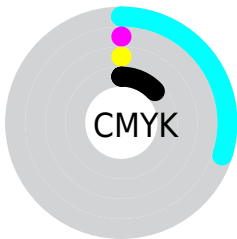
Distribution



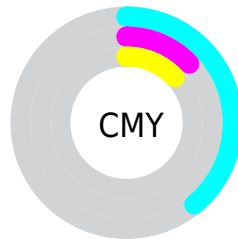
- Red (61%)
- Green (87%)
- Blue (87%)



- Red (61%)
- Yellow (74%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (39%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5844, 0.2700, 0.3289 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 64.5844, 0.2700, 0.3289 by changing the saturation by 10% instead.


 64.5844, 0.2700,
0.3289

 64.5844, 0.2700,
0.3289


441.2970, 0.2900,
0.3293

 47.1242, 0.2654,
0.3287


 111.4521, 0.2770,
0.3291

 33.1338, 0.2597,
0.3285


 141.6284, 0.2797,
0.3291

 22.2290, 0.2524,
0.3281


176.8122, 0.2820,
0.3292

 14.0252, 0.2429,
0.3275

217.3878, 0.2840,
0.3292

 8.1382, 0.2299,
0.3264

263.7397, 0.2858,
0.3292

 4.1835, 0.2110,
0.3243

316.2523, 0.2873,

 1.7767, 0.1814,

0.3292

0.3196

375.3099, 0.2887,
0.3293

0.4726, 0.0000,
0.3253

0.0000, 0.0000,
0.0000

64.5844, 0.2700,
0.3289

64.5844, 0.2700,
0.3289

62.5699, 0.2581,
0.3289

67.0088, 0.2833,
0.3289

60.9356, 0.2479,
0.3289

69.8558, 0.2978,
0.3290


59.6597, 0.2396,
0.3288

73.1470, 0.3132,
0.3290

58.7155, 0.2332,
0.3288


76.9001, 0.3291,
0.3290

 58.0721, 0.2287,
0.3288


 78.7776, 0.3365,
0.3291

 57.6932, 0.2260,
0.3288

 78.7780, 0.3364,
0.3290

 57.5167, 0.2247,
0.3288

 78.7784, 0.3364,
0.3290

 57.5126, 0.2247,
0.3288

 78.7788, 0.3364,
0.3290

 78.7792, 0.3364,
0.3290

Harmonies

Analogous

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



64.5844, 0.2896, 0.3542



64.5844, 0.2700, 0.3289



64.5844, 0.2616, 0.3049

Triad

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



64.5844, 0.2700, 0.3289



64.5844, 0.3076, 0.2901



64.5844, 0.3610, 0.3681

Complementary

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



64.5844, 0.2700, 0.3289



41.7209, 0.3789, 0.3292

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.



64.5844, 0.3667, 0.3494



64.5844, 0.2700, 0.3289



64.5844, 0.3351, 0.3054

Square

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



64.5844, 0.2700, 0.3289



64.5844, 0.2826, 0.2840



64.5844, 0.3571, 0.3267



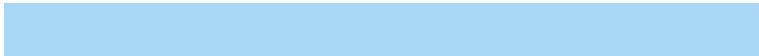
64.5844, 0.3422, 0.3772

Rectangle

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



64.5844, 0.2700, 0.3289



64.5844, 0.2632, 0.2931



64.5844, 0.3571, 0.3267



64.5844, 0.3646, 0.3627

Sweetspot

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



64.5870, 0.2700, 0.3289



95.9037, 0.2988, 0.3290



61.8260, 0.3094, 0.4153



20.3958, 0.2966, 0.3290



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.



64.5870, 0.2700, 0.3289



86.5456, 0.2620, 0.3289



49.2233, 0.2655, 0.2882



15.5723, 0.2982, 0.3290



34.1612, 0.2247, 0.3288



2.3679, 0.2247, 0.3288

Inverse Universe

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



41.7209, 0.3789, 0.3292



50.1781, 0.4003, 0.3292



53.8629, 0.3681, 0.3665



13.7006, 0.3292, 0.3290



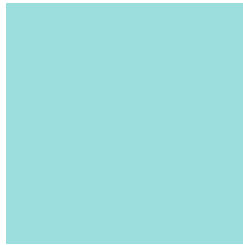
9.2244, 0.6400, 0.3299



0.6394, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 64.5844, 0.2700, 0.3289 looks on a white background.

Color Contrast Check

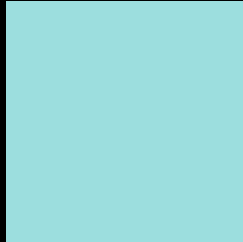
Large Text (above 18pt) WCAG AA × Fail

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 64.5844, 0.2700, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

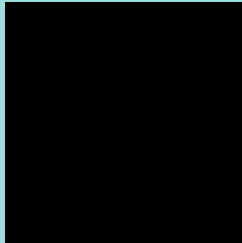
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

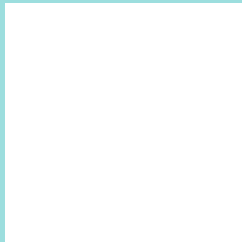
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5844, 0.2700, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 64.5844, 0.2700, 0.3289.

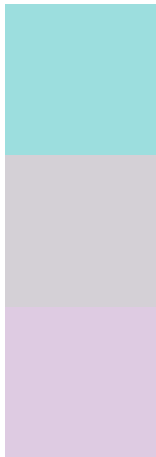


This preview shows how white text looks on a background with the Yxy color 64.5844, 0.2700, 0.3289.

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

64.5844, 0.2700, 0.3289

Protanopia

63.9638, 0.3115, 0.3222

Deuteranopia

63.7325, 0.3109, 0.3038



Tritanopia

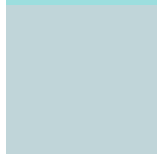
64.7744, 0.2639, 0.3087

Trichromacy



Original Color

64.5844, 0.2700, 0.3289



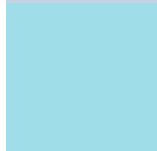
Protanomaly

63.8047, 0.2951, 0.3243



Deuteranomaly

63.5352, 0.2940, 0.3118



Tritanomaly

64.9100, 0.2661, 0.3157

Monochromacy



Original Color

64.5844, 0.2700, 0.3289



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.5187, 0.2952, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5844, 0.2700, 0.3289 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(156, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(156, 222, 222)  
}
```

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(156, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 222, 222) }
```

Border

The CSS property to change the border of an element to Yxy 64.5844, 0.2700, 0.3289 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(156, 222, 222) }
```

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

```
.border{ border-color:rgb(156, 222, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(156, 222,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5844, 0.2700, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 222, 222) }
```

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

```
.background{ background-color: rgb(156,  
222, 222) }
```

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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