

Converting Colors

$Yxy(64.7936, 0.2610, 0.3374)$

Have a look what the booklet for
Yxy(64.7936, 0.2610, 0.3374)
contains.

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Color

Yxy(64.6581, 0.2610, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	87E2DB
RGB	135, 226, 219
RGB Percent	53%, 89%, 86%
CMY	0.4702, 0.1138, 0.1411
CMYK	0.40, 0.00, 0.03, 0.11
HSL	175°, 61%, 71%
HSV	175°, 40%, 89%
XYZ	49.9875, 64.6581, 76.8773
YIQ	197.9930, -51.9890, -21.4690

Conversions

Conversions Part 2

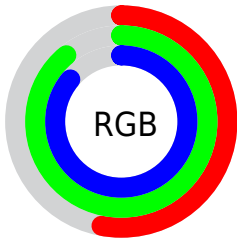
Format	Color
RYB	135, 182, 226
Decimal	8905435
CIELab	84.31, -28.77, -5.15
CIElCh	84, 29.222, 190.146
Yxy	64.6581, 0.2610, 0.3376
Android (android.graphics.Color)	4287095515 (0xFF87E2DB)
YUV	197.9930, 10.3565, -55.2449
Hunter-Lab	80.4103, -29.7525, -0.3978

Details

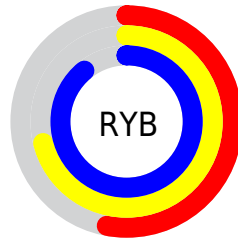
The Yxy color **64.6581, 0.2610, 0.3376** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4767, 0.4066, 0.3211**, and the grayscale version is **56.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **33.0495, 0.2484, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **62.8885, 0.2515, 0.3401**, and if you desaturate by 10%, it is **66.8317, 0.2721, 0.3352**.

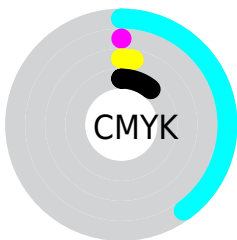
Distribution



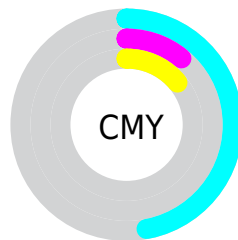
- Red (53%)
- Green (89%)
- Blue (86%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (47%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6581, 0.2610, 0.3376 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 64.6581, 0.2610, 0.3376 by changing the saturation by 10% instead.


 64.6581, 0.2610,
0.3376


 64.6581, 0.2610,
0.3376


441.5623, 0.2851,
0.3339


 47.1839, 0.2554,
0.3384


 111.5582, 0.2694,
0.3364

 33.1811, 0.2486,
0.3393


 141.7528, 0.2727,
0.3359

 22.2652, 0.2398,
0.3403


 176.9564, 0.2755,
0.3355

 14.0519, 0.2284,
0.3416

217.5534, 0.2779,
0.3351

 8.1568, 0.2128,
0.3431

263.9280, 0.2801,
0.3347

 4.1954, 0.1903,
0.3447

316.4648, 0.2819,

 1.7835, 0.1556,

0.3344

375.5481, 0.2836,
0.3342

0.3456

0.4768, 0.0000,
0.3517

0.0000, 0.0000,
0.0000

64.6581, 0.2610,
0.3376

64.6581, 0.2610,
0.3376

62.8885, 0.2515,
0.3401

66.8317, 0.2721,
0.3352

61.4897, 0.2437,
0.3426


69.4248, 0.2846,
0.3330


60.4362, 0.2379,
0.3452


72.4613, 0.2981,
0.3309

59.6954, 0.2340,
0.3479


75.9611, 0.3124,
0.3290


 59.2290, 0.2320,
0.3505

 79.9430, 0.3271,
0.3273

 58.9731, 0.2314,
0.3530

 81.3264, 0.3309,
0.3257

 81.4239, 0.3297,
0.3239

 81.5223, 0.3286,
0.3222

 81.6218, 0.3274,
0.3205

Harmonies

Analogous

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



64.6581, 0.2899, 0.3714



64.6581, 0.2610, 0.3376



64.6581, 0.2460, 0.3034

Triad

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



64.6581, 0.2610, 0.3376



64.6581, 0.2961, 0.2741



64.6581, 0.3817, 0.3752

Complementary

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



64.6581, 0.2610, 0.3376



35.4767, 0.4066, 0.3211

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.



64.6581, 0.3844, 0.3477



64.6581, 0.2610, 0.3376



64.6581, 0.3333, 0.2915

Square

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



64.6581, 0.2610, 0.3376



64.6581, 0.2653, 0.2694



64.6581, 0.3663, 0.3177



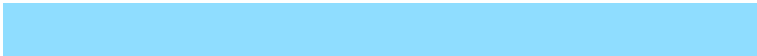
64.6581, 0.3599, 0.3925

Rectangle

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



64.6581, 0.2610, 0.3376



64.6581, 0.2451, 0.2858



64.6581, 0.3663, 0.3177



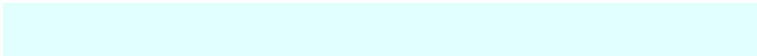
64.6581, 0.3850, 0.3668

Sweetspot

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



64.6607, 0.2610, 0.3376



94.5011, 0.2955, 0.3313



61.9484, 0.3117, 0.4507



20.1106, 0.2937, 0.3316



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.



64.6607, 0.2610, 0.3376



83.1045, 0.2531, 0.3396



46.6655, 0.2497, 0.2792



15.5533, 0.2992, 0.3308



33.6562, 0.2313, 0.3525



2.3383, 0.2302, 0.3486

Inverse Universe

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



35.4767, 0.4066, 0.3211



39.8782, 0.4365, 0.3197



47.7937, 0.3960, 0.3734



13.7175, 0.3280, 0.3272



9.2546, 0.6314, 0.3252



0.6475, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 64.6581, 0.2610, 0.3376 looks on a white background.

Color Contrast Check

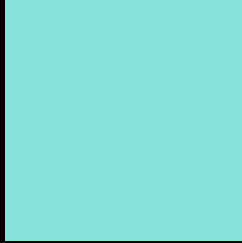
Large Text (above 18pt) WCAG AA × Fail

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 64.6581, 0.2610, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

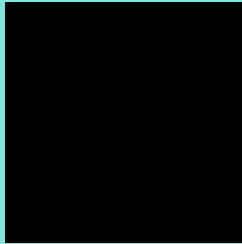
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

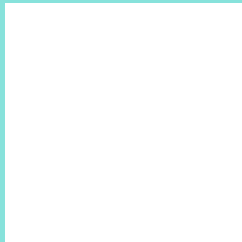
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6581, 0.2610, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 64.6581, 0.2610, 0.3376.

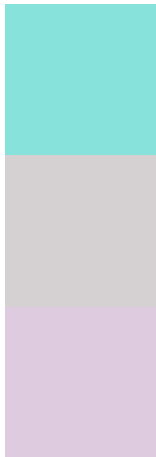


This preview shows how white text looks on a background with the Yxy color 64.6581, 0.2610, 0.3376.

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

64.6581, 0.2610, 0.3376

Protanopia

63.8613, 0.3158, 0.3279

Deuteranopia

63.7817, 0.3130, 0.3060



Tritanopia

64.7889, 0.2524, 0.3071

Trichromacy



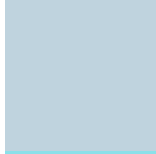
Original Color

64.6581, 0.2610, 0.3376



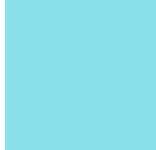
Protanomaly

63.7193, 0.2928, 0.3313



Deuteranomaly

62.9388, 0.2911, 0.3161



Tritanomaly

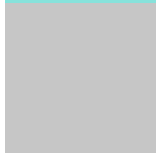
64.6835, 0.2555, 0.3178

Monochromacy



Original Color

64.6581, 0.2610, 0.3376



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.6819, 0.2901, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6581, 0.2610, 0.3376 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(135, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(135, 226, 219)  
}
```

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(135, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 226, 219) }
```

Border

The CSS property to change the border of an element to Yxy 64.6581, 0.2610, 0.3376 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(135, 226, 219) }
```

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

```
.border{ border-color:rgb(135, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(135, 226,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6581, 0.2610, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 226, 219) }
```

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

```
.background{ background-color: rgb(135,  
226, 219) }
```

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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