

Converting Colors

$Yxy(66.7254, 0.2621, 0.3412)$

Have a look what the booklet for
Yxy(66.7254, 0.2621, 0.3412)
contains.

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Color

Yxy(66.5243, 0.2620, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	89E5DC
RGB	137, 229, 220
RGB Percent	54%, 90%, 86%
CMY	0.4628, 0.1019, 0.1374
CMYK	0.40, 0.00, 0.04, 0.10
HSL	174°, 64%, 72%
HSV	174°, 40%, 90%
XYZ	51.2478, 66.5243, 77.8301
YIQ	200.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

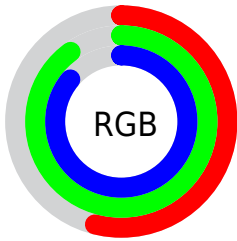
Format	Color
RYB	137, 185, 229
Decimal	9037276
CIELab	85.26, -29.52, -4.23
CIELCh	85, 29.824, 188.159
Yxy	66.5243, 0.2620, 0.3401
Android (android.graphics.Color)	4287227356 (0xFF89E5DC)
YUV	200.4660, 9.6303, -55.6597
Hunter-Lab	81.5624, -30.5781, 0.5168

Details

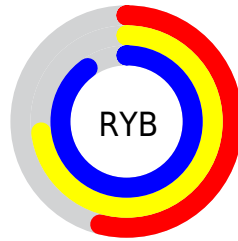
The Yxy color **66.5243, 0.2620, 0.3401** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.6200, 0.4043, 0.3187**, and the grayscale version is **58.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **34.3092, 0.2498, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **64.6747, 0.2526, 0.3433**, and if you desaturate by 10%, it is **68.7915, 0.2729, 0.3370**.

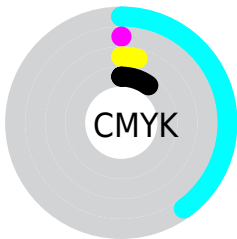
Distribution



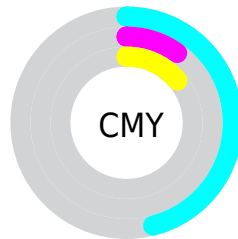
- Red (54%)
- Green (90%)
- Blue (86%)



- Red (54%)
- Yellow (73%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5243, 0.2620, 0.3401 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 66.5243, 0.2620, 0.3401 by changing the saturation by 10% instead.


 66.5243, 0.2620,
0.3401


 66.5243, 0.2620,
0.3401


448.2496, 0.2856,
0.3352

 48.6981, 0.2566,
0.3412

 114.2385, 0.2702,
0.3384

 34.3801, 0.2499,
0.3424


 144.8954, 0.2734,
0.3378

 23.1857, 0.2414,
0.3440


 180.5979, 0.2761,
0.3372

 14.7307, 0.2304,
0.3459

221.7305, 0.2785,
0.3367

 8.6306, 0.2153,
0.3483

268.6776, 0.2806,
0.3363

 4.5010, 0.1937,
0.3513

321.8235, 0.2825,

 1.9576, 0.1606,

0.3359

381.5528, 0.2841,
0.3355

0.3548

0.5827, 0.0000,
0.3851

0.0000, 0.0000,
0.0000

66.5243, 0.2620,
0.3401

66.5243, 0.2620,
0.3401

64.6747, 0.2526,
0.3433

68.7915, 0.2729,
0.3370

63.2085, 0.2450,
0.3466


71.4922, 0.2852,
0.3342

62.0991, 0.2394,
0.3500

74.6512, 0.2985,
0.3315


61.3131, 0.2356,
0.3534

78.2892, 0.3124,
0.3290

 60.8107, 0.2337,
0.3568

 82.4253, 0.3269,
0.3268

 60.5264, 0.2334,
0.3601

 83.2146, 0.3279,
0.3246

 83.3443, 0.3264,
0.3224

 83.4756, 0.3249,
0.3202

 83.6086, 0.3234,
0.3180

Harmonies

Analogous

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



66.5243, 0.2919, 0.3738



66.5243, 0.2620, 0.3401



66.5243, 0.2458, 0.3052

Triad

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



66.5243, 0.2620, 0.3401



66.5243, 0.2936, 0.2728



66.5243, 0.3833, 0.3740

Complementary

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



66.5243, 0.2620, 0.3401



36.6200, 0.4043, 0.3187

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.



66.5243, 0.3846, 0.3459



66.5243, 0.2620, 0.3401



66.5243, 0.3310, 0.2896

Square

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



66.5243, 0.2620, 0.3401



66.5243, 0.2631, 0.2689



66.5243, 0.3651, 0.3156



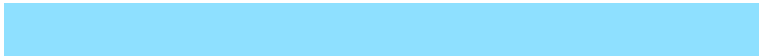
66.5243, 0.3623, 0.3925

Rectangle

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



66.5243, 0.2620, 0.3401



66.5243, 0.2442, 0.2868



66.5243, 0.3651, 0.3156



66.5243, 0.3862, 0.3653

Sweetspot

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



66.5269, 0.2620, 0.3401



94.4593, 0.2959, 0.3320



63.9776, 0.3127, 0.4503



20.1007, 0.2941, 0.3323



0.0000, 0.0000, 0.0000



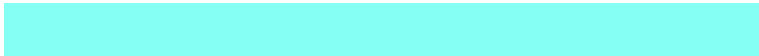
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5269, 0.2620, 0.3401



82.9440, 0.2543, 0.3427



48.7599, 0.2500, 0.2812



16.3107, 0.2995, 0.3313



34.6124, 0.2332, 0.3595



2.5648, 0.2319, 0.3546

Inverse Universe

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



36.6200, 0.4043, 0.3187



39.9583, 0.4335, 0.3169



48.6563, 0.3967, 0.3717



14.3909, 0.3277, 0.3267



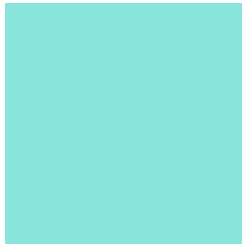
9.5664, 0.6284, 0.3236



0.7148, 0.6014, 0.3087

Previews

White Background



This preview shows how the Yxy color 66.5243, 0.2620, 0.3401 looks on a white background.

Color Contrast Check

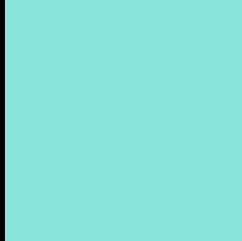
Large Text (above 18pt) WCAG AA × Fail

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 66.5243, 0.2620, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

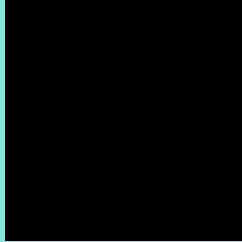
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

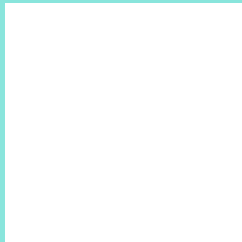
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5243, 0.2620, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 66.5243, 0.2620, 0.3401.

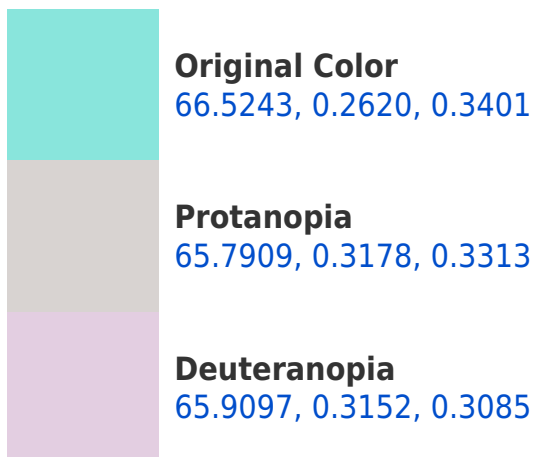


This preview shows how white text looks on a background with the Yxy color 66.5243, 0.2620, 0.3401.

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

66.2217, 0.2523, 0.3062

Trichromacy



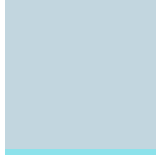
Original Color

66.5243, 0.2620, 0.3401



Protanomaly

65.5117, 0.2943, 0.3348



Deuteranomaly

64.8902, 0.2927, 0.3186



Tritanomaly

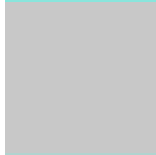
66.0536, 0.2559, 0.3179

Monochromacy



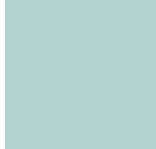
Original Color

66.5243, 0.2620, 0.3401



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.4406, 0.2910, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5243, 0.2620, 0.3401 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(137, 229, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 229, 220)  
}
```

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(137, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 229, 220) }
```

Border

The CSS property to change the border of an element to Yxy 66.5243, 0.2620, 0.3401 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(137, 229, 220) }
```

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

```
.border{ border-color:rgb(137, 229, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 229, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 229, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 229, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 229,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5243, 0.2620, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 229, 220) }
```

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

```
.background{ background-color: rgb(137,  
229, 220) }
```

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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