

Converting Colors

$Y_{xy}(60.3296, 0.2611, 0.3370)$

Have a look what the booklet for
Yxy(60.3296, 0.2611, 0.3370)
contains.

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Color

Yxy(60.2924, 0.2607, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	83DBD5
RGB	131, 219, 213
RGB Percent	51%, 86%, 84%
CMY	0.4864, 0.1411, 0.1647
CMYK	0.40, 0.00, 0.03, 0.14
HSL	176°, 55%, 69%
HSV	176°, 40%, 86%
XYZ	46.6971, 60.2924, 72.1324
YIQ	192.0040, -50.5220, -20.5220

Conversions

Conversions Part 2

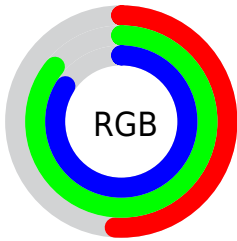
Format	Color
RYB	131, 177, 219
Decimal	8641493
CIELab	82.00, -27.86, -5.39
CIElCh	82, 28.380, 190.946
Yxy	60.2924, 0.2607, 0.3366
Android (android.graphics.Color)	4286831573 (0xFF83DBD5)
YUV	192.0040, 10.3510, -53.5005
Hunter-Lab	77.6482, -28.5357, -0.7245

Details

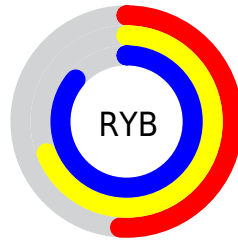
The Yxy color **60.2924, 0.2607, 0.3366** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0872, 0.4072, 0.3220**, and the grayscale version is **52.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **30.4754, 0.2480, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **58.6522, 0.2511, 0.3388**, and if you desaturate by 10%, it is **62.3075, 0.2719, 0.3345**.

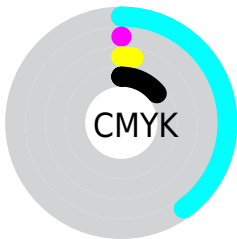
Distribution



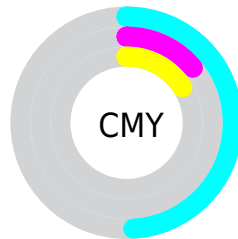
- Red (51%)
- Green (86%)
- Blue (84%)



- Red (51%)
- Yellow (69%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2924, 0.2607, 0.3366 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 60.2924, 0.2607, 0.3366 by changing the saturation by 10% instead.


 60.2924, 0.2607,
0.3366


 60.2924, 0.2607,
0.3366


425.6747, 0.2853,
0.3334

 43.6544, 0.2550,
0.3373


 105.2537, 0.2693,
0.3355

 30.3989, 0.2478,
0.3380


 134.3458, 0.2726,
0.3351

 20.1415, 0.2387,
0.3389


 168.3580, 0.2755,
0.3347

 12.4980, 0.2267,
0.3400

207.6747, 0.2780,
0.3344

 7.0838, 0.2101,
0.3411

252.6803, 0.2801,
0.3341

 3.5145, 0.1858,
0.3421

303.7593, 0.2820,

 1.4059, 0.1423,

0.3338

361.2959, 0.2837,
0.3336

0.3437

0.2211, 0.0000,
0.2636

0.0000, 0.0000,
0.0000

60.2924, 0.2607,
0.3366

60.2924, 0.2607,
0.3366

58.6522, 0.2511,
0.3388

62.3075, 0.2719,
0.3345

57.3565, 0.2433,
0.3411


64.7120, 0.2844,
0.3325


56.3812, 0.2374,
0.3434

67.5279, 0.2980,
0.3307


55.6966, 0.2334,
0.3457

70.7737, 0.3124,
0.3290


 55.2671, 0.2313,
0.3479


 74.4668, 0.3273,
0.3275

 55.0322, 0.2306,
0.3501

 77.2005, 0.3369,
0.3261

 77.2809, 0.3358,
0.3246

 77.3620, 0.3348,
0.3231

 77.4438, 0.3337,
0.3216

Harmonies

Analogous

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



60.2924, 0.2891, 0.3704



60.2924, 0.2607, 0.3366



60.2924, 0.2462, 0.3028

Triad

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



60.2924, 0.2607, 0.3366



60.2924, 0.2972, 0.2747



60.2924, 0.3810, 0.3756

Complementary

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



60.2924, 0.2607, 0.3366



33.0872, 0.4072, 0.3220

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.



60.2924, 0.3842, 0.3484



60.2924, 0.2607, 0.3366



60.2924, 0.3342, 0.2923

Square

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



60.2924, 0.2607, 0.3366



60.2924, 0.2662, 0.2696



60.2924, 0.3667, 0.3186



60.2924, 0.3588, 0.3924

Rectangle

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



60.2924, 0.2607, 0.3366



60.2924, 0.2456, 0.2855



60.2924, 0.3667, 0.3186



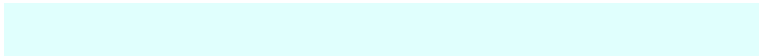
60.2924, 0.3844, 0.3673

Sweetspot

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



60.2948, 0.2607, 0.3366



94.5177, 0.2954, 0.3310



57.7343, 0.3117, 0.4504



20.1145, 0.2936, 0.3313



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.



60.2948, 0.2607, 0.3366



83.1684, 0.2527, 0.3384



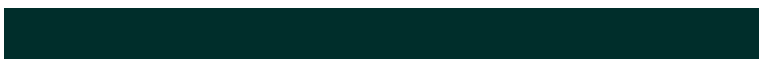
43.5242, 0.2498, 0.2793



14.8135, 0.2991, 0.3306



32.6346, 0.2305, 0.3498



2.1189, 0.2295, 0.3461

Inverse Universe

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



33.0872, 0.4072, 0.3220



39.8471, 0.4377, 0.3208



44.5735, 0.3957, 0.3733



13.0658, 0.3281, 0.3274



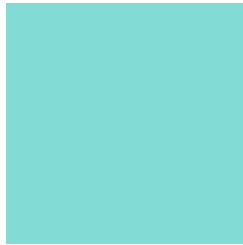
8.9560, 0.6323, 0.3257



0.5854, 0.6101, 0.3135

Previews

White Background



This preview shows how the Yxy color 60.2924, 0.2607, 0.3366 looks on a white background.

Color Contrast Check

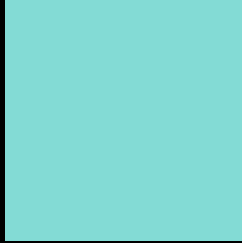
Large Text (above 18pt) WCAG AA × Fail

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 60.2924, 0.2607, 0.3366 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

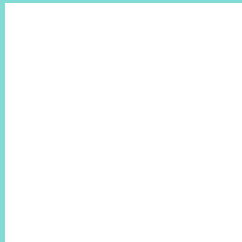
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2924, 0.2607, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 60.2924, 0.2607, 0.3366.

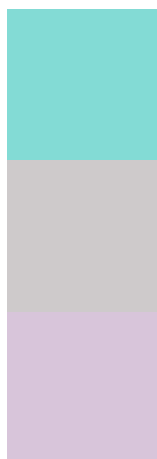


This preview shows how white text looks on a background with the Yxy color 60.2924, 0.2607, 0.3366.

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

60.2924, 0.2607, 0.3366

Protanopia

59.6747, 0.3151, 0.3278

Deuteranopia

59.5934, 0.3123, 0.3054



Tritanopia

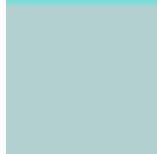
60.2292, 0.2524, 0.3077

Trichromacy



Original Color

60.2924, 0.2607, 0.3366



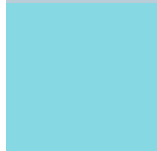
Protanomaly

59.2005, 0.2923, 0.3302



Deuteranomaly

58.9348, 0.2906, 0.3157



Tritanomaly

60.1850, 0.2552, 0.3175

Monochromacy



Original Color

60.2924, 0.2607, 0.3366



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.9572, 0.2903, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2924, 0.2607, 0.3366 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(131, 219, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 219, 213)  
}
```

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(131, 219, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 213) }
```

Border

The CSS property to change the border of an element to Yxy 60.2924, 0.2607, 0.3366 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(131, 219, 213) }
```

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

```
.border{ border-color:rgb(131, 219, 213) }
```

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

Here you see how a box with a 4 pixel rgb(131, 219, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 219, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 219, 213);  
box-shadow:4px 4px 4px 4px rgb(131, 219,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2924, 0.2607, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 213) }
```

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

```
.background{ background-color: rgb(131,  
219, 213) }
```

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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