

Converting Colors

$Yxy(65.4869, 0.2537, 0.3413)$

Have a look what the booklet for
Yxy(65.4869, 0.2537, 0.3413)
contains.

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Color

Yxy(65.6829, 0.2539, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	77E6DC
RGB	119, 230, 220
RGB Percent	47%, 90%, 86%
CMY	0.5329, 0.0981, 0.1372
CMYK	0.48, 0.00, 0.04, 0.10
HSL	175°, 69%, 68%
HSV	175°, 48%, 90%
XYZ	48.8342, 65.6829, 77.8193
YIQ	195.6710, -62.9460, -26.6420

Conversions

Conversions Part 2

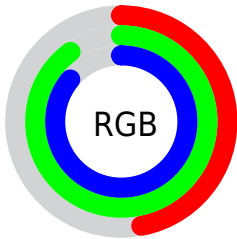
Format	Color
RYB	119, 177, 230
Decimal	7857884
CIELab	84.83, -34.17, -4.96
CIELCh	85, 34.524, 188.266
Yxy	65.6829, 0.2539, 0.3415
Android (android.graphics.Color)	4286047964 (0xFF77E6DC)
YUV	195.6710, 11.9942, -67.2405
Hunter-Lab	81.0450, -34.2723, -0.1987

Details

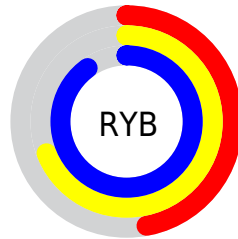
The Yxy color **65.6829, 0.2539, 0.3415** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.6283, 0.4344, 0.3180**, and the grayscale version is **54.9666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **33.8586, 0.2401, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **64.1395, 0.2459, 0.3445**, and if you desaturate by 10%, it is **67.6265, 0.2637, 0.3386**.

Distribution



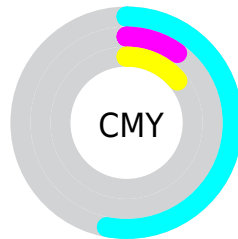
- Red (47%)
- Green (90%)
- Blue (86%)



- Red (47%)
- Yellow (69%)
- Blue (90%)



- Cyan (48%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)




- Cyan (53%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6829, 0.2539, 0.3415 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 65.6829, 0.2539, 0.3415 by changing the saturation by 10% instead.


 65.6829, 0.2539,
0.3415


 65.6829, 0.2539,
0.3415


445.2420, 0.2812,
0.3361


 48.0150, 0.2476,
0.3427


 113.0311, 0.2634,
0.3397

 33.8388, 0.2399,
0.3440


 143.4802, 0.2671,
0.3390

 22.7698, 0.2301,
0.3457


 178.9585, 0.2703,
0.3383

 14.4236, 0.2174,
0.3477

219.8504, 0.2730,
0.3378

 8.4159, 0.2001,
0.3501

266.5403, 0.2755,
0.3373

 4.3622, 0.1756,
0.3530

319.4126, 0.2776,

 1.8782, 0.1377,

0.3368

378.8517, 0.2795,
0.3364

0.3559

0.5352, 0.0000,
0.3653

0.0000, 0.0000,
0.0000

65.6829, 0.2539,
0.3415

65.6829, 0.2539,
0.3415

64.1395, 0.2459,
0.3445

67.6265, 0.2637,
0.3386

62.9599, 0.2398,
0.3476


69.9888, 0.2750,
0.3358


62.1137, 0.2356,
0.3507


72.7959, 0.2875,
0.3332


61.5623, 0.2333,
0.3538

76.0700, 0.3011,
0.3308

 61.2507, 0.2327,
0.3568


 79.8315, 0.3153,
0.3286

 61.2057, 0.2326,
0.3574

 83.6988, 0.3284,
0.3266

 83.8174, 0.3271,
0.3246

 83.9374, 0.3257,
0.3226

 84.0589, 0.3244,
0.3205

Harmonies

Analogous

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



65.6829, 0.2881, 0.3815



65.6829, 0.2539, 0.3415



65.6829, 0.2356, 0.3007

Triad

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



65.6829, 0.2539, 0.3415



65.6829, 0.2905, 0.2646



65.6829, 0.3946, 0.3806

Complementary

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



65.6829, 0.2539, 0.3415



31.6283, 0.4344, 0.3180

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.



65.6829, 0.3965, 0.3479



65.6829, 0.2539, 0.3415



65.6829, 0.3339, 0.2838

Square

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



65.6829, 0.2539, 0.3415



65.6829, 0.2555, 0.2598



65.6829, 0.3738, 0.3134



65.6829, 0.3698, 0.4027

Rectangle

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



65.6829, 0.2539, 0.3415



65.6829, 0.2339, 0.2797



65.6829, 0.3738, 0.3134



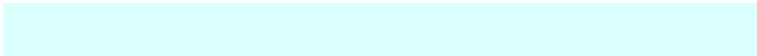
65.6829, 0.3981, 0.3704

Sweetspot

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



65.6855, 0.2539, 0.3415



93.6414, 0.2930, 0.3322



62.6840, 0.3120, 0.4786



19.8564, 0.2901, 0.3327



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.



65.6855, 0.2539, 0.3415



81.0440, 0.2458, 0.3446



44.6075, 0.2382, 0.2697



16.3129, 0.2994, 0.3311



34.6642, 0.2325, 0.3569



2.5682, 0.2312, 0.3524

Inverse Universe

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



31.6283, 0.4344, 0.3180



33.1624, 0.4766, 0.3166



44.5144, 0.4195, 0.3800



14.3890, 0.3278, 0.3269



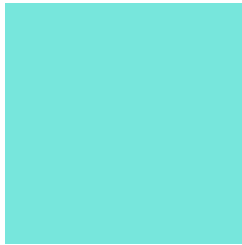
9.5618, 0.6297, 0.3242



0.7139, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 65.6829, 0.2539, 0.3415 looks on a white background.

Color Contrast Check

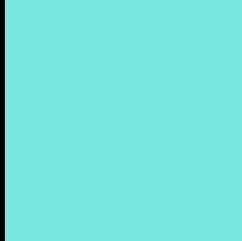
Large Text (above 18pt) WCAG AA × Fail

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 65.6829, 0.2539, 0.3415 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 65.6829, 0.2539, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 65.6829, 0.2539, 0.3415.

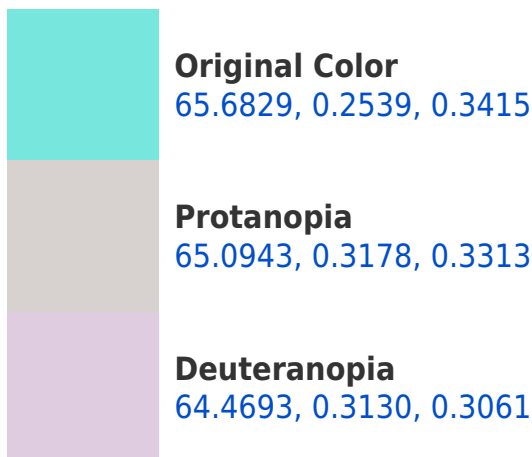


This preview shows how white text looks on a background with the Yxy color 65.6829, 0.2539, 0.3415.

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

65.4973, 0.2448, 0.3058

Trichromacy



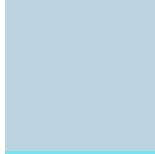
Original Color

65.6829, 0.2539, 0.3415



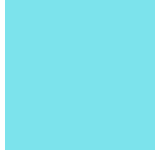
Protanomaly

64.0825, 0.2902, 0.3349



Deuteranomaly

63.3553, 0.2872, 0.3172



Tritanomaly

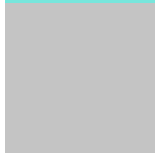
65.2794, 0.2478, 0.3177

Monochromacy



Original Color

65.6829, 0.2539, 0.3415



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8444, 0.2860, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6829, 0.2539, 0.3415 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(119, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(119, 230, 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(119, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 230, 220) }
```

Border

The CSS property to change the border of an element to Yxy 65.6829, 0.2539, 0.3415 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(119, 230, 220) }
```

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

```
.border{ border-color:rgb(119, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 230, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 230, 220); box-shadow:4px 4px 4px 4px rgb(119, 230, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6829, 0.2539, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 230, 220) }
```

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

```
.background{ background-color: rgb(119,  
230, 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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