

Converting Colors

$Y_{xy}(63.9702, 0.2393, 0.3453)$

Have a look what the booklet for
Yxy(63.9702, 0.2393, 0.3453)
contains.

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Color

Yxy(63.7622, 0.2392, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	4BE7DB
RGB	75, 231, 219
RGB Percent	29%, 91%, 86%
CMY	0.7063, 0.0941, 0.1411
CMYK	0.68, 0.00, 0.05, 0.09
HSL	175°, 76%, 60%
HSV	175°, 68%, 91%
XYZ	44.2598, 63.7622, 77.0105
YIQ	182.9880, -89.1240, -36.8040

Conversions

Conversions Part 2

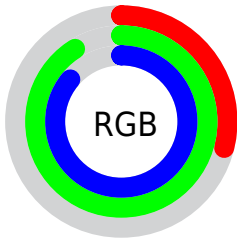
Format	Color
RYB	75, 156, 231
Decimal	4974555
CIELab	83.84, -42.80, -6.05
CIElCh	84, 43.229, 188.049
Yxy	63.7622, 0.2392, 0.3446
Android (android.graphics.Color)	4283164635 (0xFF4BE7DB)
YUV	182.9880, 17.7539, -94.7055
Hunter-Lab	79.8512, -40.8011, -1.2849

Details

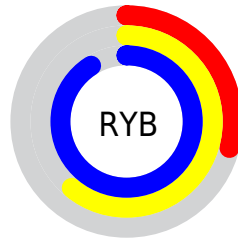
The Yxy color **63.7622, 0.2392, 0.3446** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.6941, 0.5216, 0.3184**, and the grayscale version is **47.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **33.3403, 0.2300, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **62.9048, 0.2348, 0.3472**, and if you desaturate by 10%, it is **64.9633, 0.2455, 0.3420**.

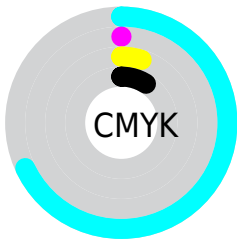
Distribution



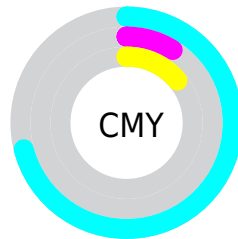
- Red (29%)
- Green (91%)
- Blue (86%)



- Red (29%)
- Yellow (61%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)





- Cyan (71%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7622, 0.2392, 0.3446 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 63.7622, 0.2392, 0.3446 by changing the saturation by 10% instead.


 63.7622, 0.2392,
0.3446

 63.7622, 0.2392,
0.3446

438.3304, 0.2734,
0.3379

 46.4581, 0.2314,
0.3460


 110.2684, 0.2511,
0.3424


 32.6075, 0.2218,
0.3476


 140.2393, 0.2557,
0.3415

 21.8259, 0.2097,
0.3495


 175.2012, 0.2596,
0.3407

 13.7290, 0.1939,
0.3517

 215.5386, 0.2631,
0.3400

 7.9324, 0.1728,
0.3542

261.6358, 0.2661,
0.3394

 4.0518, 0.1434,
0.3565

313.8772, 0.2688,

 1.7026, 0.0875,

0.3389

372.6473, 0.2712,
0.3384

0.3621

0.4253, 0.0000,
0.3243

0.0000, 0.0000,
0.0000

63.7622, 0.2392,
0.3446

63.7622, 0.2392,
0.3446

62.9048, 0.2348,
0.3472

64.9633, 0.2455,
0.3420

62.3450, 0.2323,
0.3498


66.5337, 0.2538,
0.3394

62.0334, 0.2315,
0.3524


68.5047, 0.2637,
0.3370


61.9755, 0.2314,
0.3530


70.9025, 0.2753,
0.3346

 73.7510, 0.2881,
0.3325

 77.0723, 0.3018,
0.3304

 80.8870, 0.3163,
0.3286

 84.3125, 0.3278,
0.3269

 84.4145, 0.3267,
0.3251

Harmonies

Analogous

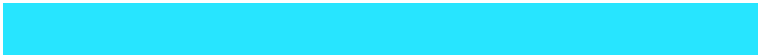
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.7622, 0.2814, 0.3970



63.7622, 0.2392, 0.3446



63.7622, 0.2171, 0.2925

Triad

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



63.7622, 0.2392, 0.3446



63.7622, 0.2839, 0.2494



63.7622, 0.4158, 0.3917

Complementary

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



63.7622, 0.2392, 0.3446



22.6941, 0.5216, 0.3184

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.



63.7622, 0.4188, 0.3507



63.7622, 0.2392, 0.3446



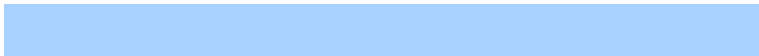
63.7622, 0.3386, 0.2727

Square

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



63.7622, 0.2392, 0.3446



63.7622, 0.2411, 0.2433



63.7622, 0.3897, 0.3085



63.7622, 0.3839, 0.4215

Rectangle

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



63.7622, 0.2392, 0.3446



63.7622, 0.2151, 0.2666



63.7622, 0.3897, 0.3085



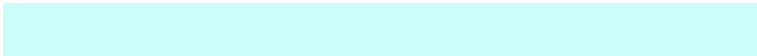
63.7622, 0.4204, 0.3787

Sweetspot

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



63.7646, 0.2392, 0.3446



91.3278, 0.2847, 0.3330



59.7336, 0.3079, 0.5432



19.3287, 0.2811, 0.3336



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.



63.7646, 0.2392, 0.3446



78.4001, 0.2336, 0.3482



34.5197, 0.2118, 0.2363



16.3163, 0.2992, 0.3308



34.7495, 0.2313, 0.3526



2.5736, 0.2302, 0.3488

Inverse Universe

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



22.6941, 0.5216, 0.3184



23.7845, 0.5826, 0.3204



36.2359, 0.4782, 0.3975



14.3858, 0.3280, 0.3272



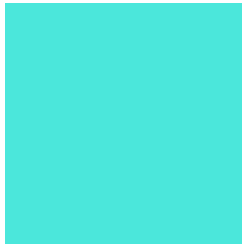
9.5551, 0.6315, 0.3252



0.7124, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 63.7622, 0.2392, 0.3446 looks on a white background.

Color Contrast Check

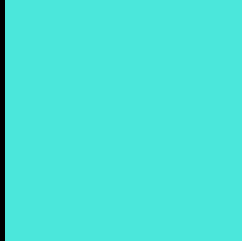
Large Text (above 18pt) WCAG AA × Fail

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 63.7622, 0.2392, 0.3446 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

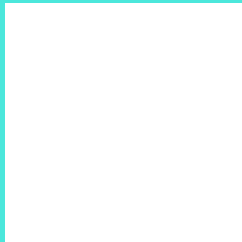
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7622, 0.2392, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 63.7622, 0.2392, 0.3446.

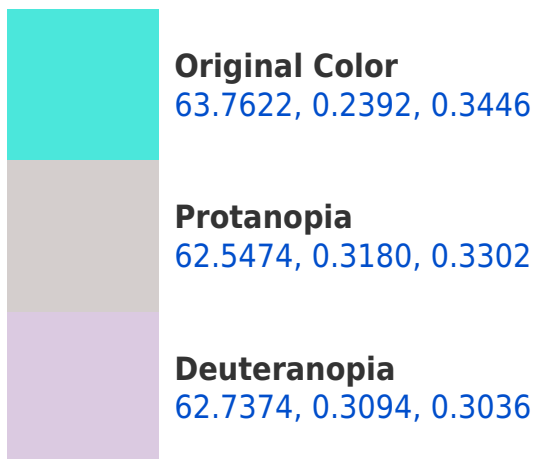


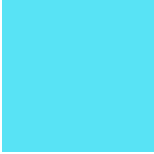
This preview shows how white text looks on a background with the Yxy color 63.7622, 0.2392, 0.3446.

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

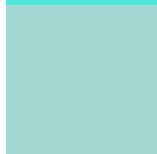
63.6054, 0.2310, 0.3062

Trichromacy



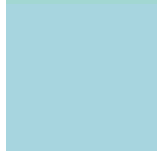
Original Color

63.7622, 0.2392, 0.3446



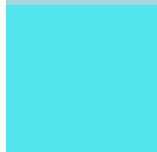
Protanomaly

60.9354, 0.2796, 0.3351



Deuteranomaly

61.1317, 0.2749, 0.3167



Tritanomaly

63.3819, 0.2335, 0.3185

Monochromacy



Original Color

63.7622, 0.2392, 0.3446



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.2234, 0.2749, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7622, 0.2392, 0.3446 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(75, 231, 219)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 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(75, 231, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 219) }
```

Border

The CSS property to change the border of an element to Yxy 63.7622, 0.2392, 0.3446 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(75, 231, 219) }
```

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

```
.border{ border-color:rgb(75, 231, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 231, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 219);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7622, 0.2392, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 219) }
```

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

```
.background{ background-color: rgb(75, 231,  
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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