

Converting Colors

$Yxy(63.6992, 0.2477, 0.3338)$

Have a look what the booklet for
Yxy(63.6992, 0.2477, 0.3338)
contains.

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Color

Yxy(63.5171, 0.2476, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	6DE3DF
RGB	109, 227, 223
RGB Percent	43%, 89%, 87%
CMY	0.5724, 0.1098, 0.1254
CMYK	0.52, 0.00, 0.02, 0.11
HSL	178°, 68%, 66%
HSV	178°, 52%, 89%
XYZ	47.1004, 63.5171, 79.6104
YIQ	191.2620, -69.0440, -26.2600

Conversions

Conversions Part 2

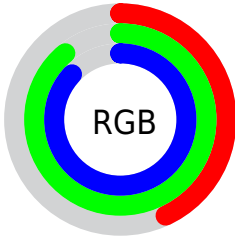
Format	Color
RYB	109, 169, 227
Decimal	7201759
CIELab	83.71, -34.13, -8.26
CIELCh	84, 35.116, 193.600
Yxy	63.5171, 0.2476, 0.3339
Android (android.graphics.Color)	4285391839 (0xFF6DE3DF)
YUV	191.2620, 15.6468, -72.1438
Hunter-Lab	79.6976, -33.9793, -3.4368

Details

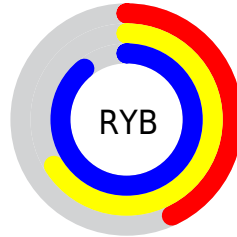
The Yxy color **63.5171, 0.2476, 0.3339** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.4663, 0.4581, 0.3250**, and the grayscale version is **52.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **32.4041, 0.2320, 0.3340** is the 20% darker color. If you saturate the color by 10%, you get **62.2195, 0.2399, 0.3350**, and if you desaturate by 10%, it is **65.1915, 0.2572, 0.3328**.

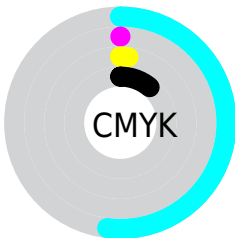
Distribution



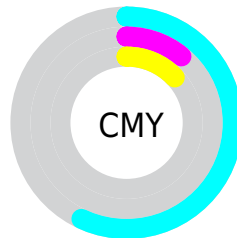
- Red (43%)
- Green (89%)
- Blue (87%)



- Red (43%)
- Yellow (66%)
- Blue (89%)



- Cyan (52%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (57%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5171, 0.2476, 0.3339 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 63.5171, 0.2476, 0.3339 by changing the saturation by 10% instead.


 63.5171, 0.2476,
0.3339

 63.5171, 0.2476,
0.3339


437.4437, 0.2779,
0.3323


 46.2597, 0.2407,
0.3341


 109.9152, 0.2581,
0.3335

 32.4508, 0.2321,
0.3343


 139.8246, 0.2622,
0.3332

 21.7060, 0.2213,
0.3343


 174.7202, 0.2657,
0.3331

 13.6411, 0.2073,
0.3342


214.9863, 0.2688,
0.3329

 7.8714, 0.1883,
0.3334

261.0073, 0.2715,
0.3327

 4.0128, 0.1615,
0.3311

313.1676, 0.2739,

 1.6807, 0.1183,

0.3325

371.8516, 0.2760,
0.3324

0.3260

0.4111, 0.0000,
0.2860

0.0000, 0.0000,
0.0000

63.5171, 0.2476,
0.3339

63.5171, 0.2476,
0.3339

62.2195, 0.2399,
0.3350

65.1915, 0.2572,
0.3328

61.2621, 0.2341,
0.3361


67.2614, 0.2684,
0.3318


60.6137, 0.2303,
0.3372


69.7531, 0.2811,
0.3309


60.2340, 0.2282,
0.3383


72.6885, 0.2950,
0.3300

 60.0708, 0.2276,
0.3392

 76.0879, 0.3097,
0.3292

 79.9705, 0.3251,
0.3284

 81.8193, 0.3315,
0.3277

 81.8619, 0.3310,
0.3269

 81.9047, 0.3304,
0.3262

Harmonies

Analogous

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



63.5171, 0.2802, 0.3766



63.5171, 0.2476, 0.3339



63.5171, 0.2322, 0.2934

Triad

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



63.5171, 0.2476, 0.3339



63.5171, 0.2974, 0.2654



63.5171, 0.3939, 0.3870

Complementary

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



63.5171, 0.2476, 0.3339



28.4663, 0.4581, 0.3250

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.



63.5171, 0.4005, 0.3546



63.5171, 0.2476, 0.3339



63.5171, 0.3425, 0.2873

Square

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



63.5171, 0.2476, 0.3339



63.5171, 0.2593, 0.2577



63.5171, 0.3813, 0.3190



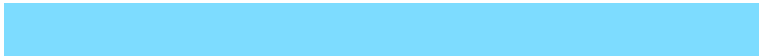
63.5171, 0.3649, 0.4070

Rectangle

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



63.5171, 0.2476, 0.3339



63.5171, 0.2328, 0.2737



63.5171, 0.3813, 0.3190



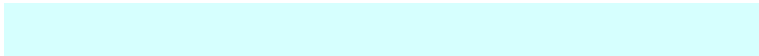
63.5171, 0.3989, 0.3771

Sweetspot

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



63.5196, 0.2476, 0.3339



92.9782, 0.2891, 0.3303



59.6818, 0.3082, 0.4932



19.7322, 0.2863, 0.3305



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.



63.5196, 0.2476, 0.3339



80.9382, 0.2396, 0.3350



39.0372, 0.2312, 0.2557



16.3276, 0.2986, 0.3298



35.0378, 0.2275, 0.3390



2.5918, 0.2271, 0.3374

Inverse Universe

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



28.4663, 0.4581, 0.3250



30.7545, 0.5059, 0.3247



43.3167, 0.4267, 0.3901



14.3758, 0.3287, 0.3283



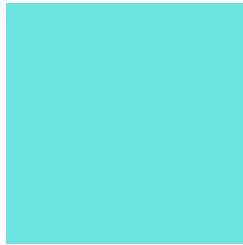
9.5374, 0.6364, 0.3279



0.7076, 0.6261, 0.3223

Previews

White Background



This preview shows how the Yxy color 63.5171, 0.2476, 0.3339 looks on a white background.

Color Contrast Check

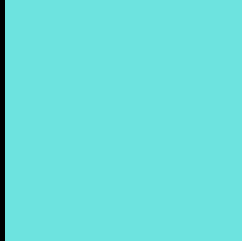
Large Text (above 18pt) WCAG AA × Fail

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 63.5171, 0.2476, 0.3339 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 63.5171, 0.2476, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 63.5171, 0.2476, 0.3339.

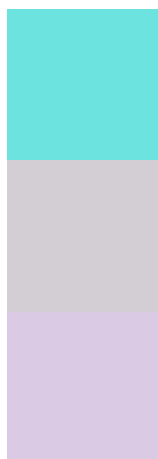


This preview shows how white text looks on a background with the Yxy color 63.5171, 0.2476, 0.3339.

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

63.5171, 0.2476, 0.3339

Protanopia

62.5474, 0.3122, 0.3233

Deuteranopia

62.7479, 0.3065, 0.3003



Tritanopia

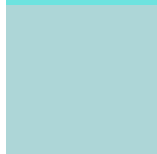
63.4351, 0.2411, 0.3065

Trichromacy



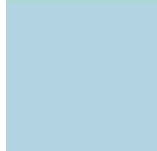
Original Color

63.5171, 0.2476, 0.3339



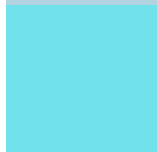
Protanomaly

61.8837, 0.2835, 0.3277



Deuteranomaly

61.5445, 0.2799, 0.3111



Tritanomaly

63.3593, 0.2432, 0.3162

Monochromacy



Original Color

63.5171, 0.2476, 0.3339



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.0746, 0.2822, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5171, 0.2476, 0.3339 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(109, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(109, 227, 223)  
}
```

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(109, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 63.5171, 0.2476, 0.3339 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(109, 227, 223) }
```

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

```
.border{ border-color:rgb(109, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 227, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 227, 223); box-shadow:4px 4px 4px 4px rgb(109, 227, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5171, 0.2476, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 227, 223) }
```

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

```
.background{ background-color: rgb(109,  
227, 223) }
```

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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