

Converting Colors

$Yxy(63.8843, 0.2503, 0.3249)$

Have a look what the booklet for
Yxy(63.8843, 0.2503, 0.3249)
contains.

Yxy(63.7185, 0.2502, 0.3238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.7185, 0.2502, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	7BE1E5
RGB	123, 225, 229
RGB Percent	48%, 88%, 90%
CMY	0.5177, 0.1176, 0.1020
CMYK	0.46, 0.02, 0.00, 0.10
HSL	182°, 67%, 69%
HSV	182°, 46%, 90%
XYZ	49.2352, 63.7185, 83.8298
YIQ	194.9580, -62.0760, -20.3800

Conversions

Conversions Part 2

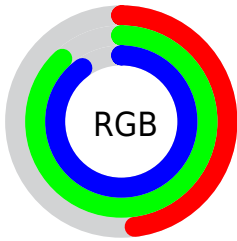
Format	Color
R _Y B	123, 175, 229
Decimal	8118757
CIE Lab	83.82, -28.70, -11.20
CIE LCh	84, 30.805, 201.328
Yxy	63.7185, 0.2502, 0.3238
Android (android.graphics.Color)	4286308837 (0xFF7BE1E5)
YUV	194.9580, 16.7827, -63.1072
Hunter-Lab	79.8239, -29.5933, -6.3887

Details

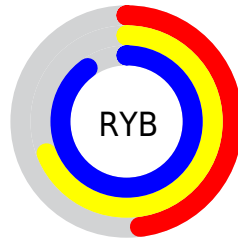
The Yxy color **63.7185, 0.2502, 0.3238** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2638, 0.4365, 0.3340**, and the grayscale version is **54.4735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **32.4561, 0.2350, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **61.7599, 0.2408, 0.3225**, and if you desaturate by 10%, it is **66.0793, 0.2614, 0.3250**.

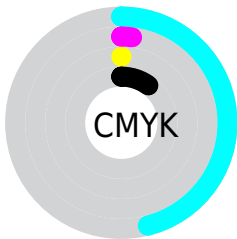
Distribution



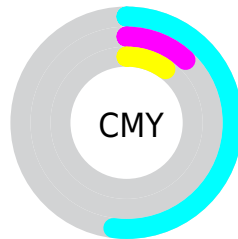
- Red (48%)
- Green (88%)
- Blue (90%)



- Red (48%)
- Yellow (69%)
- Blue (90%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)





- Cyan (52%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7185, 0.2502, 0.3238 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 63.7185, 0.2502, 0.3238 by changing the saturation by 10% instead.


 63.7185, 0.2502,
0.3238


 63.7185, 0.2502,
0.3238


438.1724, 0.2792,
0.3270


 46.4227, 0.2436,
0.3229


 110.2054, 0.2603,
0.3251

 32.5795, 0.2354,
0.3217


 140.1654, 0.2642,
0.3255

 21.8045, 0.2251,
0.3199


 175.1155, 0.2675,
0.3259

 13.7133, 0.2117,
0.3174

215.4401, 0.2705,
0.3262

 7.9216, 0.1937,
0.3134

261.5238, 0.2731,
0.3264

 4.0448, 0.1683,
0.3065

313.7508, 0.2753,

 1.6987, 0.1301,

0.3266

0.2932

372.5055, 0.2774,
0.3268

0.4228, 0.0000,
0.2495

0.0000, 0.0000,
0.0000

63.7185, 0.2502,
0.3238

63.7185, 0.2502,
0.3238

61.7599, 0.2408,
0.3225

66.0793, 0.2614,
0.3250

60.1682, 0.2332,
0.3213


68.8603, 0.2741,
0.3262

58.9142, 0.2276,
0.3200


72.0869, 0.2881,
0.3273


57.9610, 0.2239,
0.3187

75.7807, 0.3030,
0.3284

 57.2625, 0.2219,
0.3175


 79.9617, 0.3186,
0.3293

 57.0391, 0.2214,
0.3170

 83.6110, 0.3307,
0.3302

 84.0927, 0.3306,
0.3311

 84.5769, 0.3305,
0.3319

 85.0634, 0.3304,
0.3328

Harmonies

Analogous

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



63.7185, 0.2757, 0.3616



63.7185, 0.2502, 0.3238



63.7185, 0.2408, 0.2906

Triad

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



63.7185, 0.2502, 0.3238



63.7185, 0.3095, 0.2766



63.7185, 0.3792, 0.3863

Complementary

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



63.7185, 0.2502, 0.3238



33.2638, 0.4365, 0.3340

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.



63.7185, 0.3903, 0.3601



63.7185, 0.2502, 0.3238



63.7185, 0.3487, 0.2988

Square

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



63.7185, 0.2502, 0.3238



63.7185, 0.2733, 0.2662



63.7185, 0.3791, 0.3286



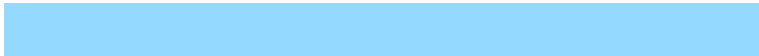
63.7185, 0.3501, 0.3987

Rectangle

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



63.7185, 0.2502, 0.3238



63.7185, 0.2443, 0.2756



63.7185, 0.3791, 0.3286



63.7185, 0.3852, 0.3787

Sweetspot

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



63.7210, 0.2502, 0.3238



92.9917, 0.2913, 0.3276



61.7682, 0.3041, 0.4698



19.6960, 0.2881, 0.3273



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.



63.7210, 0.2502, 0.3238



78.8141, 0.2407, 0.3225



39.5499, 0.2374, 0.2527



16.2384, 0.2982, 0.3281



32.6546, 0.2215, 0.3172



2.4423, 0.2220, 0.3190

Inverse Universe

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



36.2595, 0.3217, 0.2202



39.7709, 0.3238, 0.2004



50.5410, 0.4059, 0.3936



14.6054, 0.3144, 0.3067



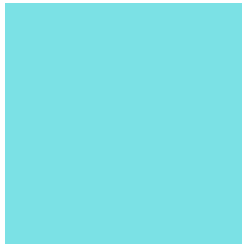
12.4942, 0.3305, 0.1595



0.9262, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 63.7185, 0.2502, 0.3238 looks on a white background.

Color Contrast Check

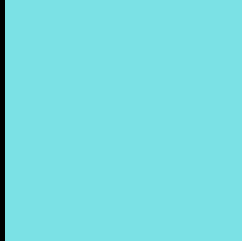
Large Text (above 18pt) WCAG AA × Fail

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 63.7185, 0.2502, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

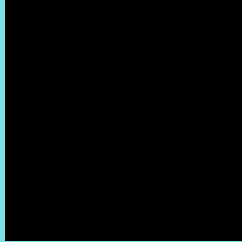
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7185, 0.2502, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 63.7185, 0.2502, 0.3238.



This preview shows how white text looks on a background with the Yxy color 63.7185, 0.2502, 0.3238.

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

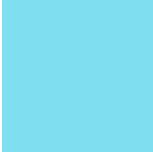
63.7185, 0.2502, 0.3238

Protanopia

63.2429, 0.3066, 0.3165

Deuteranopia

62.7805, 0.3009, 0.2939



Tritanopia

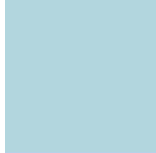
63.6383, 0.2459, 0.3067

Trichromacy



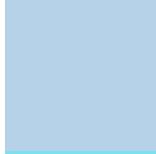
Original Color

63.7185, 0.2502, 0.3238



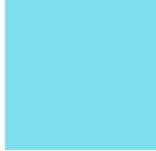
Protanomaly

62.8320, 0.2826, 0.3194



Deuteranomaly

61.8645, 0.2789, 0.3032



Tritanomaly

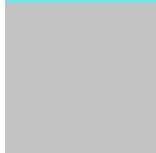
63.8614, 0.2475, 0.3128

Monochromacy



Original Color

63.7185, 0.2502, 0.3238



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.0826, 0.2853, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7185, 0.2502, 0.3238 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(123, 225, 229)` looks like.

```
.text, #text, p{  
    color:rgb(123, 225, 229)  
}
```

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(123, 225, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 225, 229) }
```

Border

The CSS property to change the border of an element to Yxy 63.7185, 0.2502, 0.3238 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(123, 225, 229) }
```

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

```
.border{ border-color:rgb(123, 225, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 225, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 225, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 225, 229);  
box-shadow:4px 4px 4px 4px rgb(123, 225,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7185, 0.2502, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 225, 229) }
```

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

```
.background{ background-color: rgb(123,  
225, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor