

Converting Colors

$Yxy(60.6956, 0.2429, 0.3498)$

Have a look what the booklet for
Yxy(60.6956, 0.2429, 0.3498)
contains.

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Color

Yxy(60.7513, 0.2431, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	50E2D2
RGB	80, 226, 210
RGB Percent	31%, 89%, 82%
CMY	0.6856, 0.1138, 0.1765
CMYK	0.65, 0.00, 0.07, 0.11
HSL	173°, 72%, 60%
HSV	173°, 65%, 89%
XYZ	42.1479, 60.7513, 70.4777
YIQ	180.5220, -81.8800, -35.9280

Conversions

Conversions Part 2

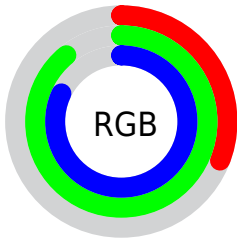
Format	Color
RYB	80, 157, 226
Decimal	5300946
CIELab	82.24, -42.18, -3.62
CIELCh	82, 42.339, 184.902
Yxy	60.7513, 0.2431, 0.3504
Android (android.graphics.Color)	4283491026 (0xFF50E2D2)
YUV	180.5220, 14.5327, -88.1578
Hunter-Lab	77.9431, -39.8761, 0.9490

Details

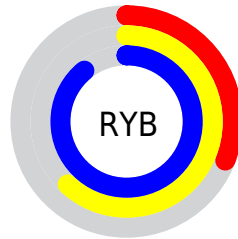
The Yxy color **60.7513, 0.2431, 0.3504** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7774, 0.5000, 0.3132**, and the grayscale version is **45.9162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **31.1498, 0.2318, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **59.8049, 0.2383, 0.3542**, and if you desaturate by 10%, it is **62.0352, 0.2498, 0.3466**.

Distribution



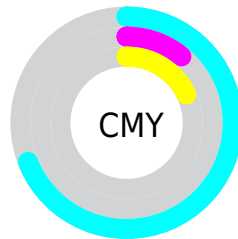
- Red (31%)
- Green (89%)
- Blue (82%)



- Red (31%)
- Yellow (62%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7513, 0.2431, 0.3504 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 60.7513, 0.2431, 0.3504 by changing the saturation by 10% instead.


 60.7513, 0.2431,
0.3504

 60.7513, 0.2431,
0.3504

427.3615, 0.2759,
0.3407

 44.0245, 0.2355,
0.3526


 105.9188, 0.2546,
0.3471


 30.6898, 0.2261,
0.3552


 135.1282, 0.2590,
0.3458

 20.3627, 0.2141,
0.3585


 169.2673, 0.2628,
0.3446

 12.6590, 0.1984,
0.3626

 208.7204, 0.2661,
0.3436

 7.1941, 0.1771,
0.3678

253.8720, 0.2690,
0.3428

 3.5838, 0.1467,
0.3746

305.1065, 0.2716,

 1.4436, 0.0708,

0.3420

362.8082, 0.2738,
0.3413

0.3954

0.2485, 0.0000,
0.3219

0.0000, 0.0000,
0.0000

60.7513, 0.2431,
0.3504

60.7513, 0.2431,
0.3504

59.8049, 0.2383,
0.3542

62.0352, 0.2498,
0.3466

59.1543, 0.2355,
0.3580


63.6795, 0.2583,
0.3430


58.7595, 0.2345,
0.3618


65.7130, 0.2685,
0.3395


58.6144, 0.2344,
0.3639

68.1597, 0.2801,
0.3361

 71.0419, 0.2928,
0.3330

 74.3800, 0.3064,
0.3302

 78.1933, 0.3205,
0.3276

 81.3507, 0.3306,
0.3252

 81.4908, 0.3289,
0.3228

Harmonies

Analogous

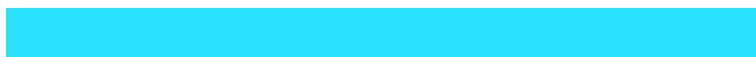
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7513, 0.2868, 0.4011



60.7513, 0.2431, 0.3504



60.7513, 0.2188, 0.2975

Triad

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



60.7513, 0.2431, 0.3504



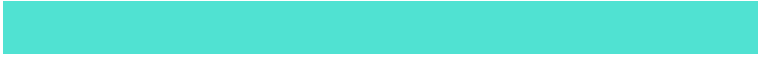
60.7513, 0.2788, 0.2482



60.7513, 0.4172, 0.3875

Complementary

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



60.7513, 0.2431, 0.3504



22.7774, 0.5000, 0.3132

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.



60.7513, 0.4167, 0.3461



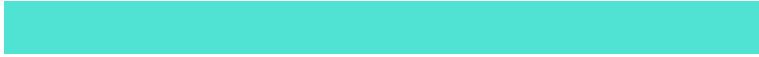
60.7513, 0.2431, 0.3504



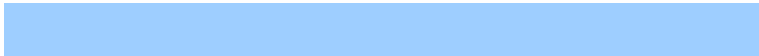
60.7513, 0.3326, 0.2698

Square

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



60.7513, 0.2431, 0.3504



60.7513, 0.2380, 0.2441



60.7513, 0.3848, 0.3045



60.7513, 0.3880, 0.4189

Rectangle

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



60.7513, 0.2431, 0.3504



60.7513, 0.2152, 0.2704



60.7513, 0.3848, 0.3045



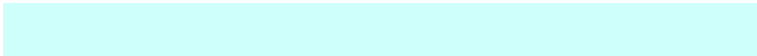
60.7513, 0.4206, 0.3742

Sweetspot

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



60.7536, 0.2431, 0.3504



91.6032, 0.2869, 0.3344



57.5207, 0.3109, 0.5322



19.3771, 0.2832, 0.3353



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.



60.7536, 0.2431, 0.3504



78.3493, 0.2373, 0.3554



35.9881, 0.2173, 0.2488



15.5451, 0.2996, 0.3316



33.4537, 0.2342, 0.3633



2.3263, 0.2326, 0.3574

Inverse Universe

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



22.7774, 0.5000, 0.3132



24.9339, 0.5580, 0.3145



34.3769, 0.4727, 0.3903



13.7248, 0.3275, 0.3265



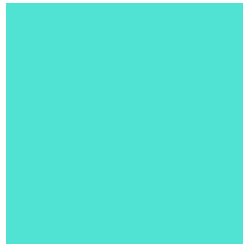
9.2723, 0.6264, 0.3225



0.6510, 0.5955, 0.3054

Previews

White Background



This preview shows how the Yxy color 60.7513, 0.2431, 0.3504 looks on a white background.

Color Contrast Check

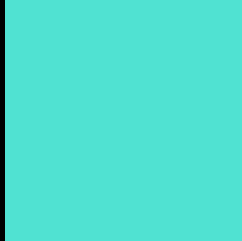
Large Text (above 18pt) WCAG AA × Fail

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 60.7513, 0.2431, 0.3504 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

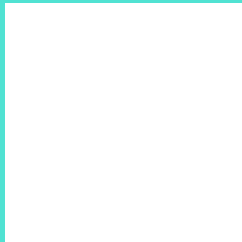
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.7513, 0.2431, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 60.7513, 0.2431, 0.3504.

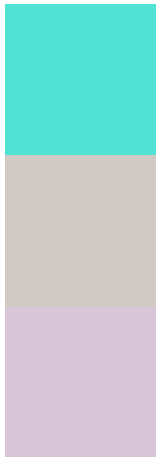


This preview shows how white text looks on a background with the Yxy color 60.7513, 0.2431, 0.3504.

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

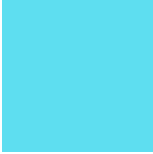
60.7513, 0.2431, 0.3504

Protanopia

59.6365, 0.3217, 0.3361

Deuteranopia

59.6421, 0.3145, 0.3076



Tritanopia

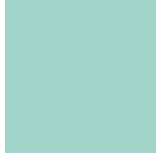
60.9135, 0.2333, 0.3059

Trichromacy



Original Color

60.7513, 0.2431, 0.3504



Protanomaly

58.4870, 0.2847, 0.3416



Deuteranomaly

58.1823, 0.2797, 0.3215



Tritanomaly

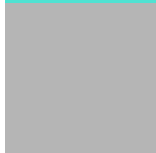
60.5563, 0.2367, 0.3210

Monochromacy



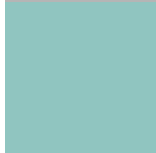
Original Color

60.7513, 0.2431, 0.3504



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.6676, 0.2770, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7513, 0.2431, 0.3504 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(80, 226, 210)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 210)  
}
```

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(80, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 210) }
```

Border

The CSS property to change the border of an element to Yxy 60.7513, 0.2431, 0.3504 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(80, 226, 210) }
```

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

```
.border{ border-color:rgb(80, 226, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 210);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7513, 0.2431, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 210) }
```

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

```
.background{ background-color: rgb(80, 226,  
210) }
```

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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