

Converting Colors

$Yxy(60.9646, 0.2427, 0.3499)$

Have a look what the booklet for
Yxy(60.9646, 0.2427, 0.3499)
contains.

Yxy(60.8013, 0.2426, 0.3490)	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(60.8013, 0.2426, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	50E2D3
RGB	80, 226, 211
RGB Percent	31%, 89%, 83%
CMY	0.6862, 0.1137, 0.1725
CMYK	0.65, 0.00, 0.07, 0.11
HSL	174°, 72%, 60%
HSV	174°, 65%, 89%
XYZ	42.2647, 60.8013, 71.1497
YIQ	180.6360, -82.2010, -35.6170

Conversions

Conversions Part 2

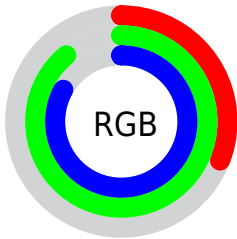
Format	Color
RYB	80, 157, 226
Decimal	5300947
CIELab	82.27, -41.95, -4.12
CIELCh	82, 42.151, 185.609
Yxy	60.8013, 0.2426, 0.3490
Android (android.graphics.Color)	4283491027 (0xFF50E2D3)
YUV	180.6360, 14.9695, -88.2578
Hunter-Lab	77.9752, -39.7046, 0.4825

Details

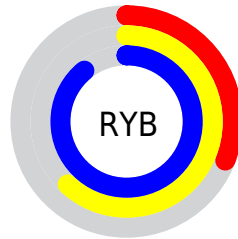
The Yxy color **60.8013, 0.2426, 0.3490** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7339, 0.5018, 0.3143**, and the grayscale version is **45.9558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **31.1838, 0.2312, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **59.8642, 0.2378, 0.3526**, and if you desaturate by 10%, it is **62.0755, 0.2493, 0.3455**.

Distribution



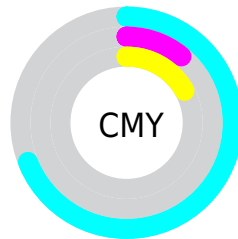
- Red (31%)
- Green (89%)
- Blue (83%)



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



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





- Cyan (69%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8013, 0.2426, 0.3490 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 60.8013, 0.2426, 0.3490 by changing the saturation by 10% instead.


 60.8013, 0.2426,
0.3490


 60.8013, 0.2426,
0.3490


427.5451, 0.2756,
0.3400

 44.0648, 0.2350,
0.3510

 105.9912, 0.2541,
0.3459

 30.7215, 0.2255,
0.3534


 135.2134, 0.2586,
0.3447

 20.3869, 0.2135,
0.3563


 169.3663, 0.2624,
0.3437

 12.6766, 0.1978,
0.3600

 208.8343, 0.2657,
0.3427

 7.2062, 0.1764,
0.3646

254.0018, 0.2687,
0.3419

 3.5914, 0.1460,
0.3704

305.2531, 0.2712,

 1.4477, 0.0717,

0.3412

0.3886

362.9728, 0.2735,
0.3406

■ 0.2515, 0.0000,
0.3092

■ 0.0000, 0.0000,
0.0000

■ 60.8013, 0.2426,
0.3490

■ 60.8013, 0.2426,
0.3490

■ 59.8642, 0.2378,
0.3526

■ 62.0755, 0.2493,
0.3455

■ 59.2224, 0.2349,
0.3561


■ 63.7096, 0.2579,
0.3421


■ 58.8359, 0.2338,
0.3596


■ 65.7326, 0.2682,
0.3388

■ 58.6963, 0.2338,
0.3615


■ 68.1685, 0.2798,
0.3357

 71.0394, 0.2926,
0.3328

 74.3659, 0.3062,
0.3301

 78.1673, 0.3204,
0.3277

 81.3427, 0.3308,
0.3255

 81.4735, 0.3292,
0.3232

Harmonies

Analogous

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



60.8013, 0.2858, 0.3998



60.8013, 0.2426, 0.3490



60.8013, 0.2189, 0.2966

Triad

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



60.8013, 0.2426, 0.3490



60.8013, 0.2801, 0.2489



60.8013, 0.4163, 0.3882

Complementary

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



60.8013, 0.2426, 0.3490



22.7339, 0.5018, 0.3143

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.



60.8013, 0.4166, 0.3471



60.8013, 0.2426, 0.3490



60.8013, 0.3339, 0.2708

Square

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



60.8013, 0.2426, 0.3490



60.8013, 0.2391, 0.2443



60.8013, 0.3855, 0.3055



60.8013, 0.3867, 0.4190

Rectangle

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



60.8013, 0.2426, 0.3490



60.8013, 0.2156, 0.2699



60.8013, 0.3855, 0.3055



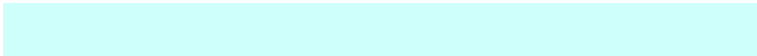
60.8013, 0.4200, 0.3750

Sweetspot

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



60.8036, 0.2426, 0.3490



91.6246, 0.2867, 0.3341



57.5165, 0.3109, 0.5325



19.3823, 0.2830, 0.3349



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.



60.8036, 0.2426, 0.3490



78.3382, 0.2365, 0.3540



35.9608, 0.2173, 0.2487



15.5468, 0.2996, 0.3314



33.4961, 0.2336, 0.3610



2.3289, 0.2321, 0.3555

Inverse Universe

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



22.7339, 0.5018, 0.3143



24.6269, 0.5641, 0.3158



34.3492, 0.4729, 0.3904



13.7233, 0.3276, 0.3266



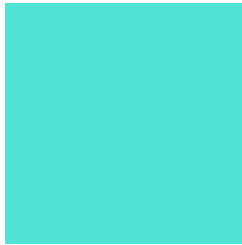
9.2681, 0.6276, 0.3231



0.6503, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 60.8013, 0.2426, 0.3490 looks on a white background.

Color Contrast Check

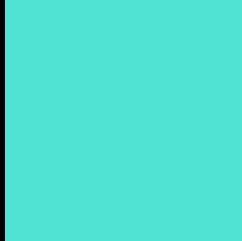
Large Text (above 18pt) WCAG AA × Fail

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 60.8013, 0.2426, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

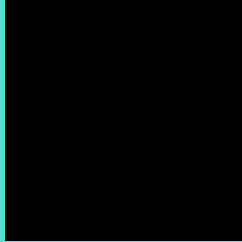
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

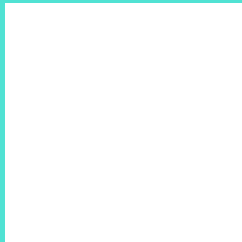
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.8013, 0.2426, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 60.8013, 0.2426, 0.3490.

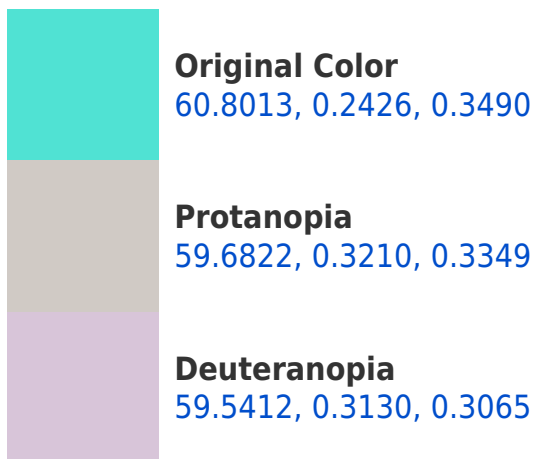


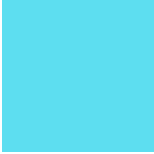
This preview shows how white text looks on a background with the Yxy color 60.8013, 0.2426, 0.3490.

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

60.8610, 0.2330, 0.3059

Trichromacy



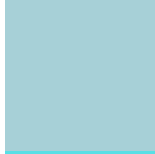
Original Color

60.8013, 0.2426, 0.3490



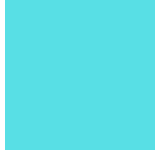
Protanomaly

58.4299, 0.2834, 0.3404



Deuteranomaly

58.2335, 0.2791, 0.3202



Tritanomaly

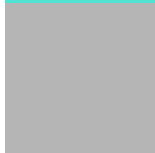
60.5072, 0.2363, 0.3210

Monochromacy



Original Color

60.8013, 0.2426, 0.3490



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 60.8013, 0.2426, 0.3490 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 211) }
```

Border

The CSS property to change the border of an element to Yxy 60.8013, 0.2426, 0.3490 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, 211) }
```

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

```
.border{ border-color:rgb(80, 226, 211) }
```

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, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 211);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8013, 0.2426, 0.3490 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, 211) }
```

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

```
.background{ background-color: rgb(80, 226,  
211) }
```

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