

Converting Colors

$Yxy(51.0716, 0.2530, 0.3429)$

Have a look what the booklet for
Yxy(51.0716, 0.2530, 0.3429)
contains.

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Color

Yxy(51.0117, 0.2530, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	67CEC4
RGB	103, 206, 196
RGB Percent	40%, 81%, 77%
CMY	0.5961, 0.1921, 0.2314
CMYK	0.50, 0.00, 0.05, 0.19
HSL	174°, 51%, 61%
HSV	174°, 50%, 81%
XYZ	37.6267, 51.0117, 60.0838
YIQ	174.0630, -58.1780, -24.9460

Conversions

Conversions Part 2

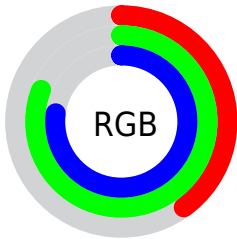
Format	Color
RYB	103, 157, 206
Decimal	6803140
CIELab	76.69, -32.38, -4.24
CIElCh	77, 32.653, 187.463
Yxy	51.0117, 0.2530, 0.3430
Android (android.graphics.Color)	4284993220 (0xFF67CEC4)
YUV	174.0630, 10.8149, -62.3223
Hunter-Lab	71.4225, -30.9522, 0.1184

Details

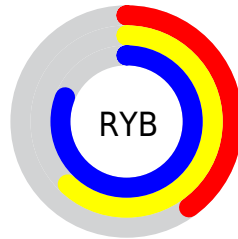
The Yxy color **51.0117, 0.2530, 0.3430** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.0131, 0.4391, 0.3168**, and the grayscale version is **42.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1889, 0.2619, 0.3311**, and **24.5175, 0.2373, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **49.8515, 0.2454, 0.3463**, and if you desaturate by 10%, it is **52.4771, 0.2624, 0.3398**.

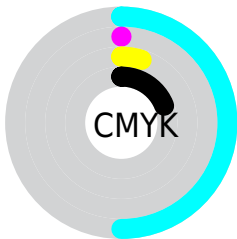
Distribution



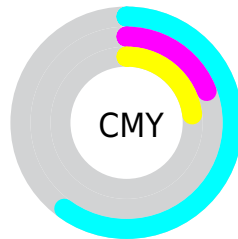
- Red (40%)
- Green (81%)
- Blue (77%)



- Red (40%)
- Yellow (62%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)



- Cyan (60%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0117, 0.2530, 0.3430 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 51.0117, 0.2530, 0.3430 by changing the saturation by 10% instead.


 51.0117, 0.2530,
0.3430

 51.0117, 0.2530,
0.3430


390.6092, 0.2820,
0.3365

 36.2179, 0.2460,
0.3444


 91.6721, 0.2633,
0.3408


 24.6025, 0.2372,
0.3462


 118.3074, 0.2673,
0.3399

 15.7812, 0.2258,
0.3484


 149.6588, 0.2706,
0.3392

 9.3694, 0.2104,
0.3512

 186.1106, 0.2735,
0.3385

 4.9829, 0.1886,
0.3546

228.0471, 0.2761,
0.3379

 2.2373, 0.1558,
0.3587

275.8528, 0.2783,

 0.7402, 0.0000,

0.3374

0.4002

329.9120, 0.2803,
0.3370

0.0000, 0.0000,
0.0000

51.0117, 0.2530,
0.3430

51.0117, 0.2530,
0.3430

49.8515, 0.2454,
0.3463

52.4771, 0.2624,
0.3398

48.9682, 0.2396,
0.3496

54.2620, 0.2733,
0.3368

48.3380, 0.2357,
0.3529

56.3867, 0.2856,
0.3340

47.9307, 0.2337,
0.3562

58.8683, 0.2988,
0.3314

47.6901, 0.2332,
0.3595

61.7226, 0.3127,
0.3290

■ 64.9646, 0.3271,
0.3268

■ 68.6083, 0.3416,
0.3249

■ 70.1595, 0.3462,
0.3230

■ 70.2612, 0.3446,
0.3209

Harmonies

Analogous

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



51.0117, 0.2885, 0.3841



51.0117, 0.2530, 0.3430



51.0117, 0.2338, 0.3008

Triad

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



51.0117, 0.2530, 0.3430



51.0117, 0.2887, 0.2626



51.0117, 0.3973, 0.3811

Complementary

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



51.0117, 0.2530, 0.3430



24.0131, 0.4391, 0.3168

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.



51.0117, 0.3987, 0.3474



51.0117, 0.2530, 0.3430



51.0117, 0.3333, 0.2819

Square

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



51.0117, 0.2530, 0.3430



51.0117, 0.2532, 0.2581



51.0117, 0.3746, 0.3120



51.0117, 0.3723, 0.4044

Rectangle

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



51.0117, 0.2530, 0.3430



51.0117, 0.2317, 0.2790



51.0117, 0.3746, 0.3120



51.0117, 0.4007, 0.3705

Sweetspot

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



51.0137, 0.2530, 0.3430



93.2163, 0.2918, 0.3327



48.6546, 0.3118, 0.4837



19.7719, 0.2890, 0.3333



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.



51.0137, 0.2530, 0.3430



80.6439, 0.2449, 0.3465



34.1772, 0.2361, 0.2676



12.7075, 0.2996, 0.3312



29.3721, 0.2331, 0.3590



1.5209, 0.2313, 0.3526

Inverse Universe

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



24.0131, 0.4391, 0.3168



32.0440, 0.4841, 0.3153



34.1075, 0.4239, 0.3814



11.2311, 0.3275, 0.3268



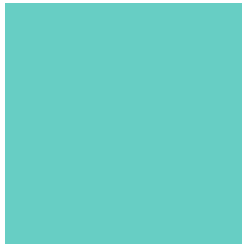
8.1177, 0.6278, 0.3232



0.4250, 0.5925, 0.3038

Previews

White Background



This preview shows how the Yxy color 51.0117, 0.2530, 0.3430 looks on a white background.

Color Contrast Check

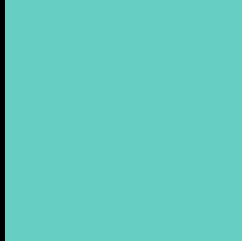
Large Text (above 18pt) WCAG AA × Fail

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 51.0117, 0.2530, 0.3430 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

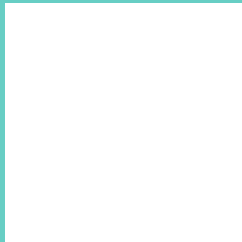
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0117, 0.2530, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 51.0117, 0.2530, 0.3430.

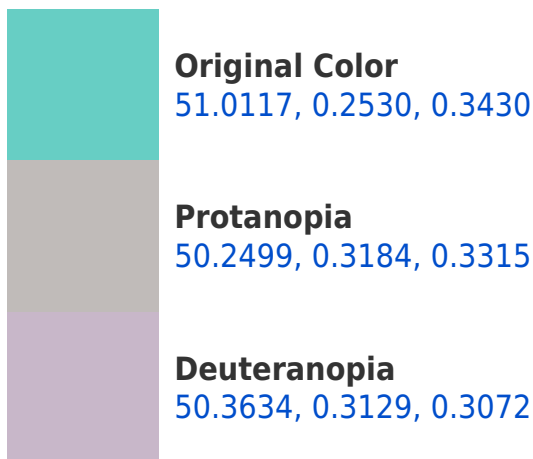


This preview shows how white text looks on a background with the Yxy color 51.0117, 0.2530, 0.3430.

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

51.1413, 0.2437, 0.3072

Trichromacy



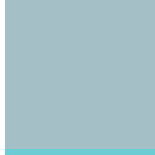
Original Color

51.0117, 0.2530, 0.3430



Protanomaly

49.7313, 0.2900, 0.3356



Deuteranomaly

49.3845, 0.2867, 0.3185



Tritanomaly

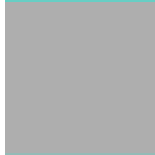
51.0147, 0.2466, 0.3192

Monochromacy



Original Color

51.0117, 0.2530, 0.3430



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.7911, 0.2854, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0117, 0.2530, 0.3430 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(103, 206, 196)` looks like.

```
.text, #text, p{  
    color:rgb(103, 206, 196)  
}
```

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(103, 206, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 206, 196) }
```

Border

The CSS property to change the border of an element to Yxy 51.0117, 0.2530, 0.3430 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(103, 206, 196) }
```

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

```
.border{ border-color:rgb(103, 206, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 206, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(103, 206,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0117, 0.2530, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 206, 196) }
```

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

```
.background{ background-color: rgb(103,  
206, 196) }
```

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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