

Converting Colors

$Y_{xy}(51.8931, 0.2531, 0.3393)$

Have a look what the booklet for
Yxy(51.8931, 0.2531, 0.3393)
contains.

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Color

Yxy(51.9216, 0.2530, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	6BCFC8
RGB	107, 207, 200
RGB Percent	42%, 81%, 78%
CMY	0.5807, 0.1882, 0.2157
CMYK	0.48, 0.00, 0.03, 0.19
HSL	176°, 51%, 62%
HSV	176°, 48%, 81%
XYZ	38.7955, 51.9216, 62.6249
YIQ	176.3020, -57.3530, -23.3770

Conversions

Conversions Part 2

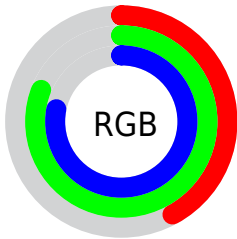
Format	Color
RYB	107, 159, 207
Decimal	7065544
CIELab	77.23, -30.98, -5.58
CIElCh	77, 31.473, 190.207
Yxy	51.9216, 0.2530, 0.3386
Android (android.graphics.Color)	4285255624 (0xFF6BCFC8)
YUV	176.3020, 11.6831, -60.7779
Hunter-Lab	72.0566, -29.9942, -1.0897

Details

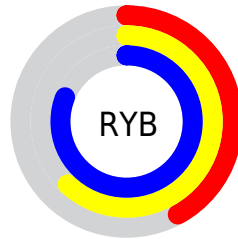
The Yxy color **51.9216, 0.2530, 0.3386** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9812, 0.4365, 0.3206**, and the grayscale version is **43.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **25.0897, 0.2374, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **50.7241, 0.2449, 0.3409**, and if you desaturate by 10%, it is **53.4309, 0.2629, 0.3364**.

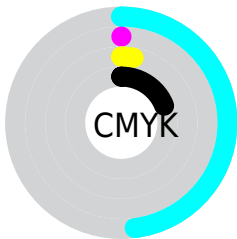
Distribution



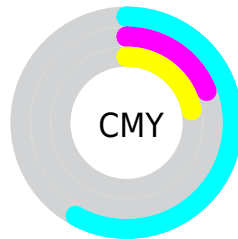
- Red (42%)
- Green (81%)
- Blue (78%)



- Red (42%)
- Yellow (62%)
- Blue (81%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)





- Cyan (58%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9216, 0.2530, 0.3386 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 51.9216, 0.2530, 0.3386 by changing the saturation by 10% instead.


 51.9216, 0.2530,
0.3386


 51.9216, 0.2530,
0.3386


394.1339, 0.2819,
0.3344

 36.9426, 0.2461,
0.3395


 93.0156, 0.2633,
0.3372

 25.1630, 0.2374,
0.3405


 119.8994, 0.2672,
0.3366

 16.1986, 0.2262,
0.3417


 151.5202, 0.2705,
0.3361

 9.6648, 0.2111,
0.3431

188.2625, 0.2734,
0.3357

 5.1773, 0.1898,
0.3445

230.5106, 0.2759,
0.3353

 2.3516, 0.1580,
0.3453

278.6489, 0.2782,

 0.8008, 0.0024,

0.3350

0.3815

333.0619, 0.2801,
0.3347

0.0000, 0.0000,
0.0000

51.9216, 0.2530,
0.3386

51.9216, 0.2530,
0.3386

50.7241, 0.2449,
0.3409

53.4309, 0.2629,
0.3364

49.8099, 0.2386,
0.3433

55.2659, 0.2743,
0.3343

49.1558, 0.2342,
0.3456


57.4470, 0.2870,
0.3323


48.7320, 0.2318,
0.3480

59.9913, 0.3007,
0.3304

48.4935, 0.2308,
0.3503

62.9147, 0.3151,
0.3287

 48.4608, 0.2307,
0.3507

 66.2320, 0.3300,
0.3272

 69.9575, 0.3449,
0.3259

 70.6249, 0.3463,
0.3244

 70.6982, 0.3452,
0.3229

Harmonies

Analogous

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



51.9216, 0.2860, 0.3785



51.9216, 0.2530, 0.3386



51.9216, 0.2361, 0.2989

Triad

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



51.9216, 0.2530, 0.3386



51.9216, 0.2934, 0.2662



51.9216, 0.3925, 0.3818

Complementary

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



51.9216, 0.2530, 0.3386



24.9812, 0.4365, 0.3206

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.



51.9216, 0.3960, 0.3500



51.9216, 0.2530, 0.3386



51.9216, 0.3365, 0.2860

Square

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



51.9216, 0.2530, 0.3386



51.9216, 0.2581, 0.2606



51.9216, 0.3750, 0.3158



51.9216, 0.3669, 0.4025

Rectangle

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



51.9216, 0.2530, 0.3386



51.9216, 0.2352, 0.2788



51.9216, 0.3750, 0.3158



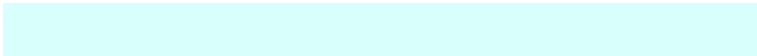
51.9216, 0.3964, 0.3719

Sweetspot

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



51.9236, 0.2530, 0.3386



93.2822, 0.2913, 0.3317



49.3549, 0.3109, 0.4785



19.7879, 0.2884, 0.3321



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.



51.9236, 0.2530, 0.3386



81.2232, 0.2446, 0.3410



34.6497, 0.2379, 0.2674



13.3922, 0.2992, 0.3306



30.5342, 0.2307, 0.3503



1.7117, 0.2295, 0.3461

Inverse Universe

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



24.9812, 0.4365, 0.3206



33.0912, 0.4803, 0.3195



35.7054, 0.4179, 0.3819



11.8215, 0.3280, 0.3274



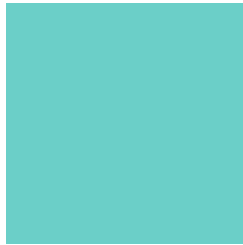
8.3838, 0.6318, 0.3254



0.4736, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 51.9216, 0.2530, 0.3386 looks on a white background.

Color Contrast Check

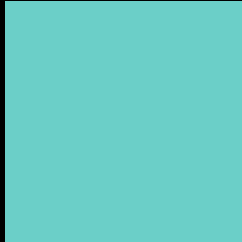
Large Text (above 18pt) WCAG AA × Fail

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 51.9216, 0.2530, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

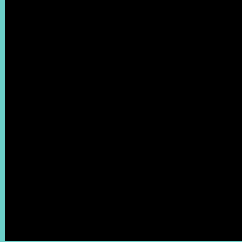
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

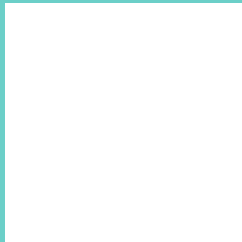
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9216, 0.2530, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 51.9216, 0.2530, 0.3386.

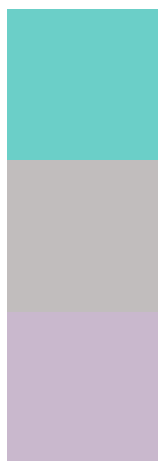


This preview shows how white text looks on a background with the Yxy color 51.9216, 0.2530, 0.3386.

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**

51.9216, 0.2530, 0.3386

Protanopia

51.4068, 0.3160, 0.3290

Deuteranopia

51.1063, 0.3106, 0.3038



Tritanopia

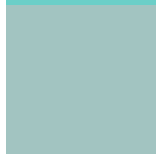
51.8637, 0.2449, 0.3074

Trichromacy



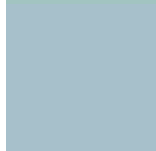
Original Color

51.9216, 0.2530, 0.3386



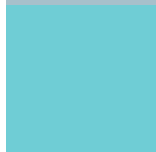
Protanomaly

51.0115, 0.2889, 0.3329



Deuteranomaly

50.2266, 0.2855, 0.3147



Tritanomaly

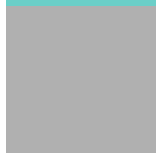
51.8462, 0.2477, 0.3179

Monochromacy



Original Color

51.9216, 0.2530, 0.3386



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.6227, 0.2856, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9216, 0.2530, 0.3386 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(107, 207, 200)` looks like.

```
.text, #text, p{  
    color:rgb(107, 207, 200)  
}
```

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(107, 207, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 207, 200) }
```

Border

The CSS property to change the border of an element to Yxy 51.9216, 0.2530, 0.3386 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(107, 207, 200) }
```

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

```
.border{ border-color:rgb(107, 207, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 207, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 207, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 207, 200);  
box-shadow:4px 4px 4px 4px rgb(107, 207,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9216, 0.2530, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 207, 200) }
```

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

```
.background{ background-color: rgb(107,  
207, 200) }
```

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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