

Converting Colors

$Yxy(51.9348, 0.2163, 0.2985)$

Have a look what the booklet for
Yxy(51.9348, 0.2163, 0.2985)
contains.

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Color

Yxy(51.9258, 0.2163, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	01D2E8
RGB	1, 210, 232
RGB Percent	0%, 82%, 91%
CMY	0.9962, 0.1765, 0.0901
CMYK	1.00, 0.09, 0.00, 0.09
HSL	186°, 99%, 46%
HSV	186°, 100%, 91%
XYZ	37.6266, 51.9258, 84.4033
YIQ	150.0170, -131.6260, -37.4660

Conversions

Conversions Part 2

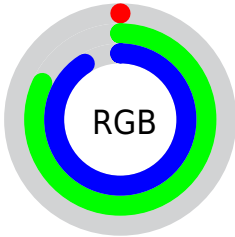
Format	Color
RYB	1, 111, 232
Decimal	119528
CIELab	77.24, -34.75, -22.97
CIELCh	77, 41.655, 213.466
Yxy	51.9258, 0.2163, 0.2985
Android (android.graphics.Color)	4278309608 (0xFF01D2E8)
YUV	150.0170, 40.4176, -130.6879
Hunter-Lab	72.0596, -32.8986, -19.0047

Details

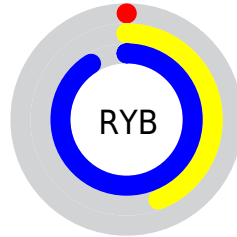
The Yxy color **51.9258, 0.2163, 0.2985** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7747, 0.6332, 0.3350**, and the grayscale version is **30.3697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **26.5773, 0.2142, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **51.8765, 0.2162, 0.2984**, and if you desaturate by 10%, it is **53.2174, 0.2186, 0.3017**.

Distribution



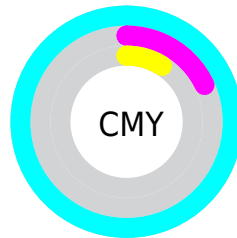
- Red (0%)
- Green (82%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9258, 0.2163, 0.2985 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 51.9258, 0.2163, 0.2985 by changing the saturation by 10% instead.


 51.9258, 0.2163,
0.2985

 51.9258, 0.2163,
0.2985


394.1501, 0.2616,
0.3150

 36.9459, 0.2059,
0.2941


 93.0218, 0.2321,
0.3047

 25.1656, 0.1932,
0.2884


 119.9067, 0.2382,
0.3070


 16.2005, 0.1772,
0.2806


 151.5288, 0.2435,
0.3089

 9.6661, 0.1566,
0.2696

 188.2724, 0.2480,
0.3105

 5.1782, 0.1296,
0.2532

 230.5219, 0.2521,
0.3119

 2.3522, 0.0937,
0.2270

278.6618, 0.2556,

 0.8011, 0.0000,

0.3131

0.1903

333.0764, 0.2588,
0.3141

■ 0.0000, 0.0000,
0.0000

■ 51.9258, 0.2163,
0.2985

■ 51.9258, 0.2163,
0.2985

■ 51.8765, 0.2162,
0.2984

■ 53.2174, 0.2186,
0.3017

■ 54.7492, 0.2224,
0.3050

■ 56.5895, 0.2281,
0.3083

■ 58.7791, 0.2357,
0.3117

■ 61.3523, 0.2452,
0.3149

■ 64.3391, 0.2565,
0.3181

■ 67.7664, 0.2692,
0.3211

■ 71.6590, 0.2831,
0.3240

■ 76.0395, 0.2979,
0.3267

Harmonies

Analogous

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



51.9258, 0.2424, 0.3539



51.9258, 0.2163, 0.2985



51.9258, 0.2136, 0.2591

Triad

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



51.9258, 0.2163, 0.2985



51.9258, 0.3305, 0.2665



51.9258, 0.3925, 0.4208

Complementary

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



51.9258, 0.2163, 0.2985



17.7747, 0.6332, 0.3350

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.



51.9258, 0.4216, 0.3873



51.9258, 0.2163, 0.2985



51.9258, 0.3852, 0.3016

Square

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



51.9258, 0.2163, 0.2985



51.9258, 0.2751, 0.2450



51.9258, 0.4197, 0.3443



51.9258, 0.3432, 0.4308

Rectangle

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



51.9258, 0.2163, 0.2985



51.9258, 0.2247, 0.2450



51.9258, 0.4197, 0.3443



51.9258, 0.4051, 0.4115

Sweetspot

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



51.9277, 0.2163, 0.2985



83.6994, 0.2684, 0.3210



57.7864, 0.2987, 0.5952



17.5182, 0.2629, 0.3197



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.



51.9277, 0.2163, 0.2985



64.1996, 0.2162, 0.2982



14.4271, 0.1694, 0.1294



16.0891, 0.2982, 0.3267



28.8939, 0.2164, 0.2989



2.2038, 0.2177, 0.3036

Inverse Universe

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



21.8344, 0.3467, 0.1685



27.0121, 0.3470, 0.1685



34.7000, 0.5176, 0.4270



14.5903, 0.3152, 0.3080



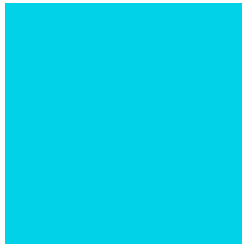
12.1146, 0.3464, 0.1682



0.9022, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 51.9258, 0.2163, 0.2985 looks on a white background.

Color Contrast Check

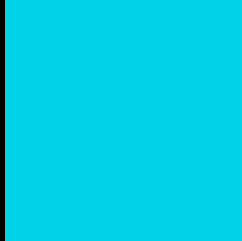
Large Text (above 18pt) WCAG AA × Fail

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 51.9258, 0.2163, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

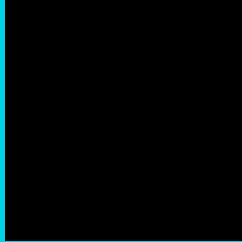
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9258, 0.2163, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 51.9258, 0.2163, 0.2985.



This preview shows how white text looks on a background with the Yxy color 51.9258, 0.2163, 0.2985.

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

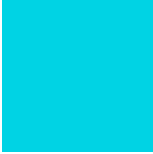
51.9258, 0.2163, 0.2985

Protanopia

51.1665, 0.2884, 0.2935

Deuteranopia

51.3581, 0.2737, 0.2676



Tritanopia

52.1900, 0.2181, 0.3052

Trichromacy



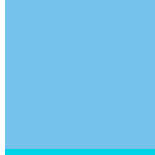
Original Color

51.9258, 0.2163, 0.2985



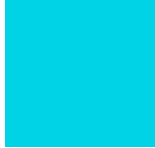
Protanomaly

48.5357, 0.2438, 0.2939



Deuteranomaly

48.8683, 0.2367, 0.2754



Tritanomaly

52.2457, 0.2178, 0.3039

Monochromacy



Original Color

51.9258, 0.2163, 0.2985



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.2871, 0.2492, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9258, 0.2163, 0.2985 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(1, 210, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 232)  
}
```

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(1, 210, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 232) }
```

Border

The CSS property to change the border of an element to Yxy 51.9258, 0.2163, 0.2985 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(1, 210, 232) }
```

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

```
.border{ border-color:rgb(1, 210, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9258, 0.2163, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 232) }
```

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

```
.background{ background-color: rgb(1, 210,  
232) }
```

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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