

Converting Colors

$Y_{xy}(50.5498, 0.2151, 0.2945)$

Have a look what the booklet for
Yxy(50.5498, 0.2151, 0.2945)
contains.

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Color

Yxy(50.4518, 0.2151, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	01CFE8
RGB	1, 207, 232
RGB Percent	0%, 81%, 91%
CMY	0.9968, 0.1883, 0.0901
CMYK	1.00, 0.11, 0.00, 0.09
HSL	186°, 99%, 46%
HSV	186°, 100%, 91%
XYZ	36.8871, 50.4518, 84.1492
YIQ	148.2560, -130.8010, -35.8970

Conversions

Conversions Part 2

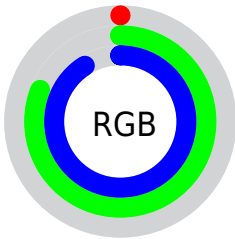
Format	Color
R_{YB}	1, 110, 232
Decimal	118760
CIE _{Lab}	76.35, -33.33, -24.32
CIE _{LCh}	76, 41.261, 216.118
Yxy	50.4518, 0.2151, 0.2942
Android (android.graphics.Color)	4278308840 (0xFF01CFE8)
YUV	148.2560, 41.2858, -129.1435
Hunter-Lab	71.0294, -31.6027, -20.5208

Details

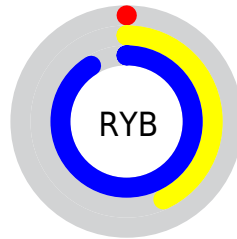
The Yxy color **50.4518, 0.2151, 0.2942** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **17.8925, 0.6320, 0.3360**, and the grayscale version is **29.5671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **25.5911, 0.2126, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **50.4051, 0.2150, 0.2941**, and if you desaturate by 10%, it is **51.8694, 0.2175, 0.2979**.

Distribution



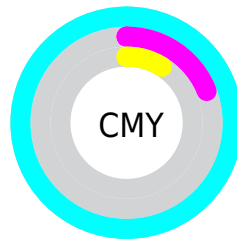
- Red (0%)
- Green (81%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4518, 0.2151, 0.2942 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 50.4518, 0.2151, 0.2942 by changing the saturation by 10% instead.

50.4518, 0.2151,
0.2942

50.4518, 0.2151,
0.2942

388.4301, 0.2611,
0.3129

35.7725, 0.2045,
0.2893

90.8439, 0.2311,
0.3012

24.2586, 0.1915,
0.2829

117.3256, 0.2374,
0.3038

15.5255, 0.1752,
0.2742

148.5101, 0.2427,
0.3059

9.1890, 0.1542,
0.2621

184.7819, 0.2474,
0.3077

4.8647, 0.1266,
0.2440

226.5254, 0.2514,
0.3093

2.1681, 0.0902,
0.2153

274.1251, 0.2550,

0.7025, 0.0000,

0.3107

0.1721

327.9652, 0.2583,
0.3118

■ 0.0000, 0.0000,
0.0000

■ 50.4518, 0.2151,
0.2942

■ 50.4518, 0.2151,
0.2942

■ 50.4051, 0.2150,
0.2941

■ 51.8694, 0.2175,
0.2979

■ 53.5307, 0.2215,
0.3017

■ 55.5046, 0.2273,
0.3055

■ 57.8319, 0.2351,
0.3093

■ 60.5470, 0.2448,
0.3130

■ 63.6797, 0.2562,
0.3166

■ 67.2574, 0.2690,
0.3201

■ 71.3044, 0.2830,
0.3233

■ 75.8437, 0.2979,
0.3263

Harmonies

Analogous

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



50.4518, 0.2392, 0.3487



50.4518, 0.2151, 0.2942



50.4518, 0.2145, 0.2566

Triad

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



50.4518, 0.2151, 0.2942



50.4518, 0.3356, 0.2691



50.4518, 0.3888, 0.4229

Complementary

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



50.4518, 0.2151, 0.2942



17.8925, 0.6320, 0.3360

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.



50.4518, 0.4202, 0.3908



50.4518, 0.2151, 0.2942



50.4518, 0.3893, 0.3052

Square

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



50.4518, 0.2151, 0.2942



50.4518, 0.2796, 0.2462



50.4518, 0.4212, 0.3482



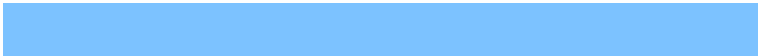
50.4518, 0.3384, 0.4301

Rectangle

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



50.4518, 0.2151, 0.2942



50.4518, 0.2269, 0.2438



50.4518, 0.4212, 0.3482



50.4518, 0.4020, 0.4142

Sweetspot

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



50.4536, 0.2151, 0.2942



83.0941, 0.2683, 0.3199



57.7935, 0.2984, 0.5939



17.3713, 0.2627, 0.3184



0.0000, 0.0000, 0.0000



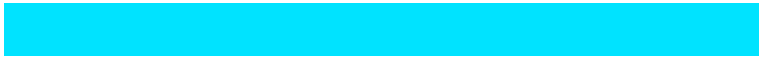
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.4536, 0.2151, 0.2942



62.3758, 0.2150, 0.2939



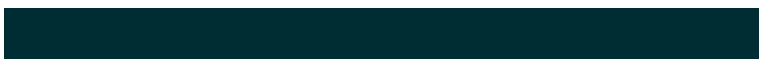
13.7141, 0.1680, 0.1244



16.0558, 0.2982, 0.3264



28.0920, 0.2152, 0.2947



2.1526, 0.2167, 0.3001

Inverse Universe

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



21.6810, 0.3506, 0.1706



26.8280, 0.3508, 0.1706



35.7822, 0.5128, 0.4308



14.5869, 0.3154, 0.3083



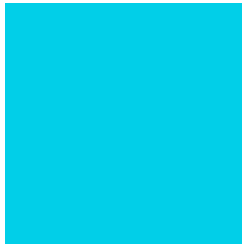
12.0336, 0.3501, 0.1702



0.8970, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 50.4518, 0.2151, 0.2942 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 50.4518, 0.2151, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

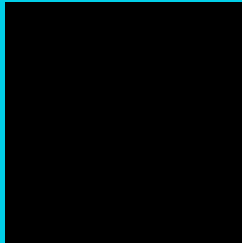
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4518, 0.2151, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 50.4518, 0.2151, 0.2942.



This preview shows how white text looks on a background with the Yxy color 50.4518, 0.2151, 0.2942.

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

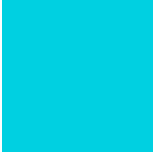
50.4583, 0.2151, 0.2942

Protanopia

49.5314, 0.2860, 0.2895

Deuteranopia

49.5651, 0.2712, 0.2645



Tritanopia

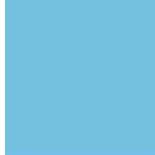
50.5480, 0.2180, 0.3049

Trichromacy



Original Color

50.4583, 0.2151, 0.2942



Protanomaly

47.0587, 0.2420, 0.2896



Deuteranomaly

47.2748, 0.2349, 0.2723



Tritanomaly

50.7132, 0.2169, 0.3009

Monochromacy



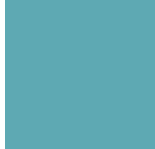
Original Color

50.4583, 0.2151, 0.2942



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.0103, 0.2477, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4518, 0.2151, 0.2942 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, 207, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 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, 207, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 232) }
```

Border

The CSS property to change the border of an element to Yxy 50.4518, 0.2151, 0.2942 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, 207, 232) }
```

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

```
.border{ border-color:rgb(1, 207, 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, 207, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4518, 0.2151, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 232) }
```

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

```
.background{ background-color: rgb(1, 207,  
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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