

Converting Colors

$Y_{xy}(50.3372, 0.2143, 0.2878)$

Have a look what the booklet for
Yxy(50.3372, 0.2143, 0.2878)
contains.

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Color

Yxy(50.3372, 0.2143, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	13CEEC
RGB	19, 206, 236
RGB Percent	7%, 81%, 93%
CMY	0.9244, 0.1922, 0.0746
CMYK	0.92, 0.13, 0.00, 0.07
HSL	188°, 85%, 50%
HSV	188°, 92%, 93%
XYZ	37.4818, 50.3372, 87.0844
YIQ	153.5070, -121.0820, -30.3140

Conversions

Conversions Part 2

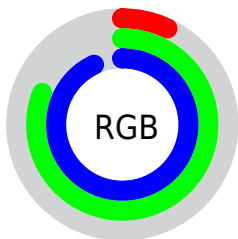
Format	Color
RYB	19, 119, 236
Decimal	1298156
CIELab	76.28, -31.08, -26.55
CIELCh	76, 40.877, 220.507
Yxy	50.3372, 0.2143, 0.2878
Android (android.graphics.Color)	4279488236 (0xFF13CEEC)
YUV	153.5070, 40.6690, -117.9626
Hunter-Lab	70.9487, -29.8597, -23.1101

Details

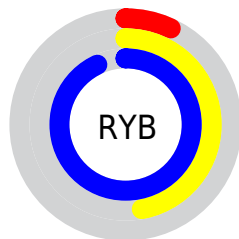
The Yxy color **50.3372, 0.2143, 0.2878** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **20.0976, 0.6119, 0.3433**, and the grayscale version is **31.9849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **25.4285, 0.2103, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **48.9235, 0.2122, 0.2839**, and if you desaturate by 10%, it is **52.2974, 0.2182, 0.2927**.

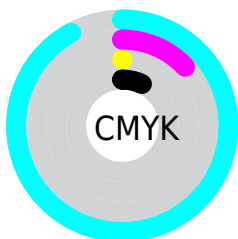
Distribution



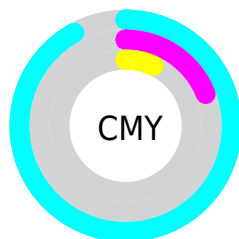
- Red (7%)
- Green (81%)
- Blue (93%)



- Red (7%)
- Yellow (47%)
- Blue (93%)



- Cyan (92%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)




- Cyan (92%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3372, 0.2143, 0.2878 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 50.3372, 0.2143, 0.2878 by changing the saturation by 10% instead.


 50.3372, 0.2143,
0.2878

 50.3372, 0.2143,
0.2878

387.9831, 0.2606,
0.3095

 35.6814, 0.2037,
0.2822


 90.6743, 0.2304,
0.2959


 24.1882, 0.1907,
0.2749


 117.1244, 0.2367,
0.2988


 15.4733, 0.1743,
0.2653


 148.2747, 0.2421,
0.3013

 9.1522, 0.1533,
0.2518

 184.5096, 0.2468,
0.3035

 4.8406, 0.1259,
0.2322

 226.2135, 0.2509,
0.3053

 2.1541, 0.0899,
0.2018

273.7708, 0.2545,

 0.6948, 0.0000,

0.3069

0.1570

327.5659, 0.2577,
0.3083

0.0000, 0.0000,
0.0000

50.3372, 0.2143,
0.2878

50.3372, 0.2143,
0.2878

48.9235, 0.2122,
0.2839

52.2974, 0.2182,
0.2927

54.5829, 0.2241,
0.2976

57.2401, 0.2319,
0.3026

60.3061, 0.2415,
0.3074

63.8133, 0.2529,
0.3121

■ 67.7905, 0.2657,
0.3166

■ 72.2640, 0.2797,
0.3208

■ 77.2581, 0.2945,
0.3248

■ 82.7953, 0.3099,
0.3284

Harmonies

Analogous

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



50.3372, 0.2349, 0.3402



50.3372, 0.2143, 0.2878



50.3372, 0.2171, 0.2536

Triad

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



50.3372, 0.2143, 0.2878



50.3372, 0.3439, 0.2741



50.3372, 0.3817, 0.4251

Complementary

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



50.3372, 0.2143, 0.2878



20.0976, 0.6119, 0.3433

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.



50.3372, 0.4164, 0.3960



50.3372, 0.2143, 0.2878



50.3372, 0.3950, 0.3114

Square

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



50.3372, 0.2143, 0.2878



50.3372, 0.2875, 0.2492



50.3372, 0.4223, 0.3545



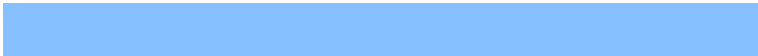
50.3372, 0.3302, 0.4274

Rectangle

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



50.3372, 0.2143, 0.2878



50.3372, 0.2316, 0.2430



50.3372, 0.4223, 0.3545



50.3372, 0.3958, 0.4176

Sweetspot

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



50.3390, 0.2143, 0.2878



82.7387, 0.2708, 0.3182



60.3380, 0.2962, 0.5803



17.2341, 0.2649, 0.3163



0.0000, 0.0000, 0.0000



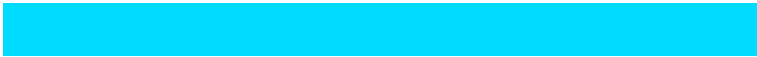
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3390, 0.2143, 0.2878



58.2571, 0.2121, 0.2837



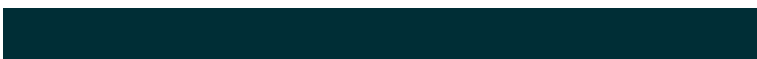
15.0716, 0.1709, 0.1298



16.7457, 0.2981, 0.3257



27.1145, 0.2124, 0.2846



2.2271, 0.2143, 0.2914

Inverse Universe

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



22.7619, 0.3561, 0.1763



26.4122, 0.3601, 0.1757



41.8329, 0.4927, 0.4415



15.2758, 0.3159, 0.3089



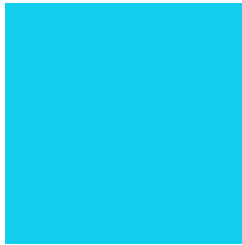
12.2300, 0.3592, 0.1752



0.9702, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 50.3372, 0.2143, 0.2878 looks on a white background.

Color Contrast Check

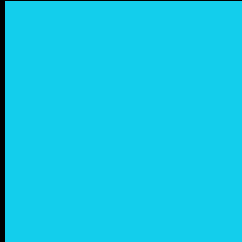
Large Text (above 18pt) WCAG AA × Fail

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 50.3372, 0.2143, 0.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

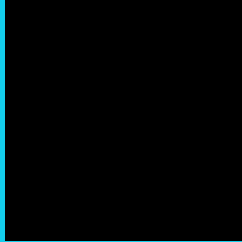
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3372, 0.2143, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 50.3372, 0.2143, 0.2878.

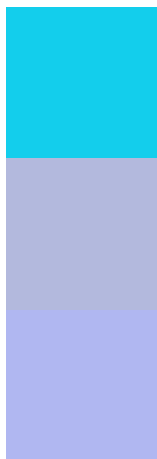


This preview shows how white text looks on a background with the Yxy color 50.3372, 0.2143, 0.2878.

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

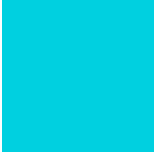
50.3372, 0.2143, 0.2878

Protanopia

49.5021, 0.2818, 0.2847

Deuteranopia

49.4480, 0.2666, 0.2599



Tritanopia

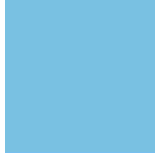
50.4936, 0.2184, 0.3063

Trichromacy



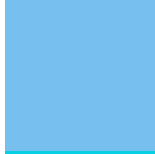
Original Color

50.3372, 0.2143, 0.2878



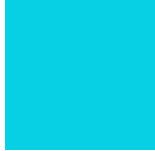
Protanomaly

47.6959, 0.2430, 0.2849



Deuteranomaly

47.4155, 0.2351, 0.2666



Tritanomaly

50.2723, 0.2169, 0.2995

Monochromacy



Original Color

50.3372, 0.2143, 0.2878



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.3511, 0.2524, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3372, 0.2143, 0.2878 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(19, 206, 236)` looks like.

```
.text, #text, p{  
    color:rgb(19, 206, 236)  
}
```

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(19, 206, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 206, 236) }
```

Border

The CSS property to change the border of an element to Yxy 50.3372, 0.2143, 0.2878 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(19, 206, 236) }
```

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

```
.border{ border-color:rgb(19, 206, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 206, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 206, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 206, 236);  
box-shadow:4px 4px 4px 4px rgb(19, 206,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3372, 0.2143, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 206, 236) }
```

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

```
.background{ background-color: rgb(19, 206,  
236) }
```

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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