

Converting Colors

$Yxy(48.7318, 0.2157, 0.2964)$

Have a look what the booklet for
Yxy(48.7318, 0.2157, 0.2964)
contains.

Yxy(48.7382, 0.2157, 0.2964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7382, 0.2157, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	01CCE3
RGB	1, 204, 227
RGB Percent	0%, 80%, 89%
CMY	0.9978, 0.2000, 0.1097
CMYK	1.00, 0.10, 0.00, 0.11
HSL	186°, 100%, 45%
HSV	186°, 100%, 89%
XYZ	35.4684, 48.7382, 80.2273
YIQ	145.9250, -128.3710, -35.8830

Conversions

Conversions Part 2

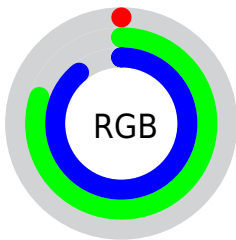
Format	Color
RYB	1, 108, 227
Decimal	117987
CIELab	75.29, -33.51, -23.25
CIELCh	75, 40.784, 214.752
Yxy	48.7382, 0.2157, 0.2964
Android (android.graphics.Color)	4278308067 (0xFF01CCE3)
YUV	145.9250, 39.9700, -127.0992
Hunter-Lab	69.8127, -31.4853, -19.2658

Details

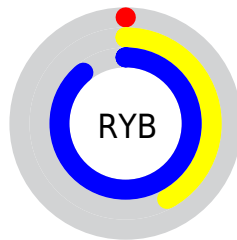
The Yxy color **48.7382, 0.2157, 0.2964** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.9722, 0.6327, 0.3355**, and the grayscale version is **28.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.4734, 0.2129, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **48.7090, 0.2157, 0.2963**, and if you desaturate by 10%, it is **50.0268, 0.2180, 0.2999**.

Distribution



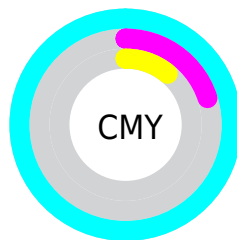
- Red (0%)
- Green (80%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7382, 0.2157, 0.2964 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 48.7382, 0.2157, 0.2964 by changing the saturation by 10% instead.


 48.7382, 0.2157,
0.2964

 48.7382, 0.2157,
0.2964


381.7108, 0.2618,
0.3141


 34.4118, 0.2050,
0.2917


 88.3025, 0.2318,
0.3031


 23.2102, 0.1919,
0.2855


 114.3092, 0.2381,
0.3055


 14.7488, 0.1753,
0.2770


 144.9782, 0.2434,
0.3076

 8.6433, 0.1538,
0.2650

 180.6939, 0.2481,
0.3093

 4.5092, 0.1255,
0.2469

 221.8405, 0.2521,
0.3107

 1.9623, 0.0877,
0.2177

268.8027, 0.2557,

 0.5854, 0.0000,

0.3120

0.1664

321.9646, 0.2589,
0.3131

■ 0.0000, 0.0000,
0.0000

■ 48.7382, 0.2157,
0.2964

■ 48.7382, 0.2157,
0.2964

■ 48.7090, 0.2157,
0.2963

■ 50.0268, 0.2180,
0.2999

■ 51.5430, 0.2219,
0.3034

■ 53.3539, 0.2277,
0.3069

■ 55.4982, 0.2354,
0.3105

■ 58.0083, 0.2449,
0.3140

■ 60.9129, 0.2562,
0.3173

■ 64.2375, 0.2690,
0.3206

■ 68.0055, 0.2829,
0.3236

■ 72.2386, 0.2977,
0.3265

Harmonies

Analogous

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



48.7382, 0.2408, 0.3514



48.7382, 0.2157, 0.2964



48.7382, 0.2140, 0.2579

Triad

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



48.7382, 0.2157, 0.2964



48.7382, 0.3330, 0.2677



48.7382, 0.3907, 0.4218

Complementary

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



48.7382, 0.2157, 0.2964



16.9722, 0.6327, 0.3355

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.



48.7382, 0.4209, 0.3890



48.7382, 0.2157, 0.2964



48.7382, 0.3872, 0.3033

Square

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



48.7382, 0.2157, 0.2964



48.7382, 0.2773, 0.2456



48.7382, 0.4205, 0.3462



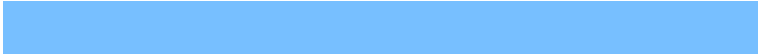
48.7382, 0.3409, 0.4305

Rectangle

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



48.7382, 0.2157, 0.2964



48.7382, 0.2258, 0.2444



48.7382, 0.4205, 0.3462



48.7382, 0.4036, 0.4128

Sweetspot

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



48.7400, 0.2157, 0.2964



83.4032, 0.2684, 0.3204



55.0175, 0.2983, 0.5939



17.4463, 0.2628, 0.3191



0.0000, 0.0000, 0.0000



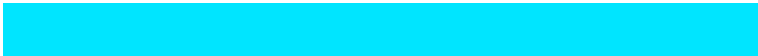
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7400, 0.2157, 0.2964



63.3041, 0.2156, 0.2961



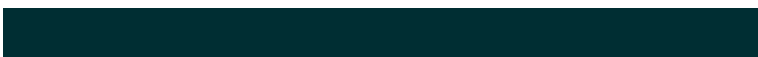
13.0587, 0.1679, 0.1244



16.0728, 0.2982, 0.3265



28.5002, 0.2158, 0.2968



2.1787, 0.2172, 0.3019

Inverse Universe

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



20.7070, 0.3486, 0.1695



26.9217, 0.3489, 0.1696



34.0686, 0.5128, 0.4308



14.5887, 0.3153, 0.3082



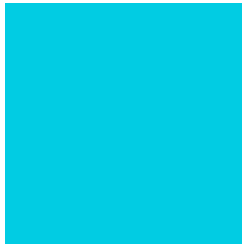
12.0748, 0.3482, 0.1692



0.8996, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 48.7382, 0.2157, 0.2964 looks on a white background.

Color Contrast Check

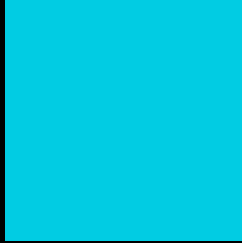
Large Text (above 18pt) WCAG AA × Fail

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 48.7382, 0.2157, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

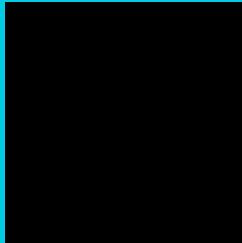
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7382, 0.2157, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 48.7382, 0.2157, 0.2964.



This preview shows how white text looks on a background with the Yxy color 48.7382, 0.2157, 0.2964.

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

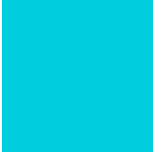
48.7382, 0.2157, 0.2964

Protanopia

48.2548, 0.2871, 0.2915

Deuteranopia

48.2211, 0.2727, 0.2672



Tritanopia

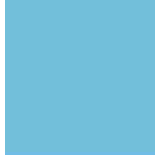
48.8831, 0.2183, 0.3060

Trichromacy



Original Color

48.7382, 0.2157, 0.2964



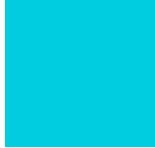
Protanomaly

45.9010, 0.2430, 0.2918



Deuteranomaly

45.6191, 0.2360, 0.2740



Tritanomaly

48.9904, 0.2176, 0.3032

Monochromacy



Original Color

48.7382, 0.2157, 0.2964



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.0597, 0.2490, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7382, 0.2157, 0.2964 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, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 227)  
}
```

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, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 227) }
```

Border

The CSS property to change the border of an element to Yxy 48.7382, 0.2157, 0.2964 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, 204, 227) }
```

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

```
.border{ border-color:rgb(1, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7382, 0.2157, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 227) }
```

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

```
.background{ background-color: rgb(1, 204,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor