

Converting Colors

$Yxy(44.2362, 0.2015, 0.2979)$

Have a look what the booklet for
Yxy(44.2362, 0.2015, 0.2979)
contains.

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Color

Yxy(46.0142, 0.2162, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	00C7DC
RGB	0, 199, 220
RGB Percent	0%, 78%, 86%
CMY	1.0000, 0.2196, 0.1372
CMYK	1.00, 0.10, 0.00, 0.14
HSL	186°, 100%, 43%
HSV	186°, 100%, 86%
XYZ	33.3387, 46.0142, 74.8502
YIQ	141.8930, -125.3450, -35.6570

Conversions

Conversions Part 2

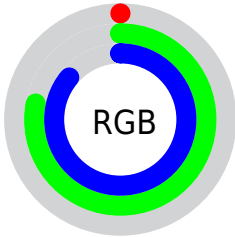
Format	Color
RYB	0, 104, 220
Decimal	51164
CIELab	73.55, -33.39, -22.11
CIELCh	74, 40.047, 213.507
Yxy	46.0142, 0.2162, 0.2984
Android (android.graphics.Color)	4278241244 (0xFF00C7DC)
YUV	141.8930, 38.5068, -124.4402
Hunter-Lab	67.8338, -30.9805, -17.9390

Details

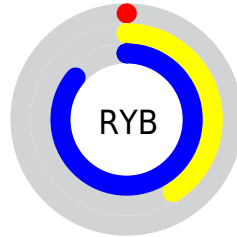
The Yxy color **46.0142, 0.2162, 0.2984** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.7562, 0.6336, 0.3351**, and the grayscale version is **26.8909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **22.9674, 0.2141, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **46.0192, 0.2162, 0.2984**, and if you desaturate by 10%, it is **47.1637, 0.2185, 0.3016**.

Distribution



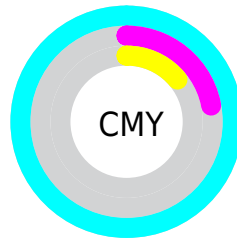
- Red (0%)
- Green (78%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0142, 0.2162, 0.2984 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 46.0142, 0.2162, 0.2984 by changing the saturation by 10% instead.


 46.0142, 0.2162,
0.2984

 46.0142, 0.2162,
0.2984


370.8657, 0.2625,
0.3153

 32.2570, 0.2054,
0.2938


 84.2402, 0.2325,
0.3048


 21.5579, 0.1919,
0.2877


 109.4779, 0.2388,
0.3072

 13.5324, 0.1748,
0.2793


 139.3112, 0.2442,
0.3091

 7.7962, 0.1525,
0.2672

 174.1245, 0.2488,
0.3107

 3.9648, 0.1229,
0.2486

 214.3022, 0.2529,
0.3121

 1.6539, 0.0807,
0.2184

260.2287, 0.2565,

 0.3935, 0.0000,

0.3133

0.1425

312.2884, 0.2597,
0.3144

■ 0.0000, 0.0000,
0.0000

■ 46.0142, 0.2162,
0.2984

■ 46.0142, 0.2162,
0.2984

■ 46.0192, 0.2162,
0.2984

■ 47.1637, 0.2185,
0.3016

■ 48.5159, 0.2223,
0.3049

■ 50.1396, 0.2279,
0.3082

■ 52.0705, 0.2355,
0.3116

■ 54.3389, 0.2450,
0.3148

■ 56.9712, 0.2561,
0.3180

■ 59.9913, 0.2688,
0.3210

■ 63.4207, 0.2826,
0.3239

■ 67.2796, 0.2974,
0.3266

Harmonies

Analogous

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



46.0142, 0.2423, 0.3538



46.0142, 0.2162, 0.2984



46.0142, 0.2135, 0.2590

Triad

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



46.0142, 0.2162, 0.2984



46.0142, 0.3306, 0.2665



46.0142, 0.3925, 0.4209

Complementary

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



46.0142, 0.2162, 0.2984



15.7562, 0.6336, 0.3351

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.



46.0142, 0.4217, 0.3874



46.0142, 0.2162, 0.2984



46.0142, 0.3853, 0.3016

Square

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



46.0142, 0.2162, 0.2984



46.0142, 0.2752, 0.2450



46.0142, 0.4198, 0.3444



46.0142, 0.3432, 0.4309

Rectangle

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



46.0142, 0.2162, 0.2984



46.0142, 0.2247, 0.2449



46.0142, 0.4198, 0.3444



46.0142, 0.4051, 0.4116

Sweetspot

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



46.0192, 0.2162, 0.2984



83.6905, 0.2684, 0.3209



51.2436, 0.2987, 0.5953



17.5160, 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.



46.0192, 0.2162, 0.2984



64.1727, 0.2162, 0.2981



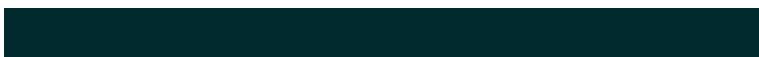
12.7669, 0.1692, 0.1292



14.6058, 0.2982, 0.3267



27.0918, 0.2164, 0.2989



1.8183, 0.2178, 0.3042

Inverse Universe

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



19.3432, 0.3468, 0.1684



27.0094, 0.3471, 0.1686



30.7484, 0.5178, 0.4270



13.2523, 0.3152, 0.3081



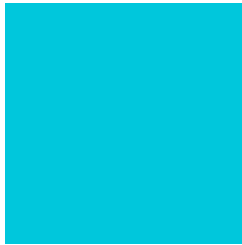
11.3587, 0.3464, 0.1682



0.7422, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 46.0142, 0.2162, 0.2984 looks on a white background.

Color Contrast Check

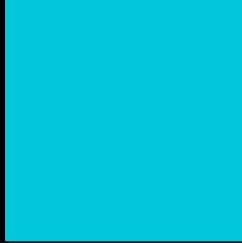
Large Text (above 18pt) WCAG AA × Fail

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 46.0142, 0.2162, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

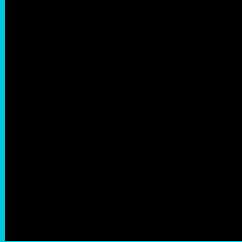
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0142, 0.2162, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 46.0142, 0.2162, 0.2984.



This preview shows how white text looks on a background with the Yxy color 46.0142, 0.2162, 0.2984.

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

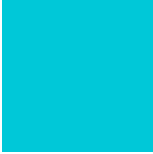
46.0142, 0.2162, 0.2984

Protanopia

45.4110, 0.2887, 0.2931

Deuteranopia

45.3711, 0.2738, 0.2680



Tritanopia

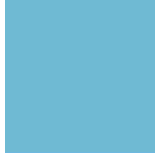
46.2664, 0.2182, 0.3055

Trichromacy



Original Color

46.0142, 0.2162, 0.2984



Protanomaly

43.2005, 0.2438, 0.2936



Deuteranomaly

42.9237, 0.2365, 0.2752



Tritanomaly

46.3183, 0.2178, 0.3041

Monochromacy



Original Color

46.0142, 0.2162, 0.2984



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2703, 0.2492, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0142, 0.2162, 0.2984 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(0, 199, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 220)  
}
```

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(0, 199, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.0142, 0.2162, 0.2984 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(0, 199, 220) }
```

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

```
.border{ border-color:rgb(0, 199, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 199, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 199, 220); box-shadow:4px 4px 4px 4px rgb(0, 199, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0142, 0.2162, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 220) }
```

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

```
.background{ background-color: rgb(0, 199,  
220) }
```

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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