

Converting Colors

$Y_{xy}(45.2965, 0.2076, 0.2982)$

Have a look what the booklet for
Yxy(45.2965, 0.2076, 0.2982)
contains.

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Color

Yxy(46.4759, 0.2167, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	01C8DC
RGB	1, 200, 220
RGB Percent	0%, 78%, 86%
CMY	0.9958, 0.2157, 0.1372
CMYK	1.00, 0.09, 0.00, 0.14
HSL	185°, 99%, 43%
HSV	185°, 100%, 86%
XYZ	33.5823, 46.4759, 74.9131
YIQ	142.7790, -125.0240, -35.9680

Conversions

Conversions Part 2

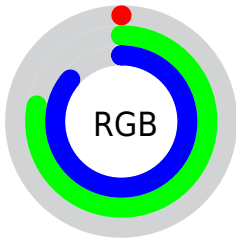
Format	Color
RYB	1, 105, 220
Decimal	116956
CIELab	73.85, -33.82, -21.64
CIELCh	74, 40.154, 212.614
Yxy	46.4759, 0.2167, 0.2999
Android (android.graphics.Color)	4278307036 (0xFF01C8DC)
YUV	142.7790, 38.0700, -124.3402
Hunter-Lab	68.1732, -31.3737, -17.4304

Details

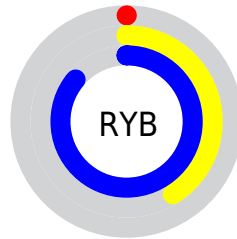
The Yxy color **46.4759, 0.2167, 0.2999** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.7580, 0.6332, 0.3349**, and the grayscale version is **27.2637, 0.3127, 0.3290**.

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 **46.4256, 0.2166, 0.2998**, and if you desaturate by 10%, it is **47.5914, 0.2190, 0.3030**.

Distribution



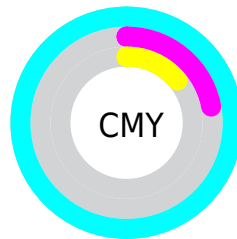
- Red (0%)
- Green (78%)
- Blue (86%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4759, 0.2167, 0.2999 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 46.4759, 0.2167, 0.2999 by changing the saturation by 10% instead.

 46.4759, 0.2167,
0.2999


 46.4759, 0.2167,
0.2999

372.7186, 0.2627,
0.3160


 32.6215, 0.2059,
0.2955


 84.9308, 0.2329,
0.3061

 21.8367, 0.1926,
0.2897


 110.3001, 0.2392,
0.3083


 13.7369, 0.1756,
0.2816


 140.2765, 0.2445,
0.3101

 7.9379, 0.1535,
0.2700

 175.2443, 0.2491,
0.3117

 4.0553, 0.1241,
0.2520

 215.5881, 0.2532,
0.3130

 1.7045, 0.0826,
0.2226

261.6921, 0.2567,

 0.4266, 0.0000,

0.3141

0.1523

313.9409, 0.2599,
0.3151

■ 0.0000, 0.0000,
0.0000

■ 46.4759, 0.2167,
0.2999

■ 46.4759, 0.2167,
0.2999

■ 46.4256, 0.2166,
0.2998

■ 47.5914, 0.2190,
0.3030

■ 48.9179, 0.2228,
0.3061

■ 50.5166, 0.2285,
0.3093

■ 52.4229, 0.2361,
0.3125

■ 54.6668, 0.2456,
0.3156

■ 57.2747, 0.2568,
0.3186

■ 60.2703, 0.2694,
0.3215

■ 63.6749, 0.2833,
0.3242

■ 67.5088, 0.2981,
0.3268

Harmonies

Analogous

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



46.4759, 0.2434, 0.3555



46.4759, 0.2167, 0.2999



46.4759, 0.2133, 0.2599

Triad

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



46.4759, 0.2167, 0.2999



46.4759, 0.3288, 0.2656



46.4759, 0.3937, 0.4201

Complementary

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



46.4759, 0.2167, 0.2999



15.7580, 0.6332, 0.3349

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.



46.4759, 0.4220, 0.3861



46.4759, 0.2167, 0.2999



46.4759, 0.3838, 0.3005

Square

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



46.4759, 0.2167, 0.2999



46.4759, 0.2737, 0.2446



46.4759, 0.4191, 0.3430



46.4759, 0.3448, 0.4310

Rectangle

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



46.4759, 0.2167, 0.2999



46.4759, 0.2240, 0.2454



46.4759, 0.4191, 0.3430



46.4759, 0.4061, 0.4106

Sweetspot

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



46.4776, 0.2167, 0.2999



83.8828, 0.2685, 0.3213



51.2437, 0.2987, 0.5949



17.5627, 0.2630, 0.3201



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.



46.4776, 0.2167, 0.2999



64.7573, 0.2165, 0.2995



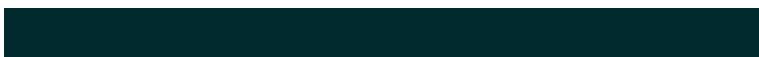
12.8790, 0.1696, 0.1301



14.6153, 0.2982, 0.3268



27.3322, 0.2167, 0.3002



1.8315, 0.2181, 0.3053

Inverse Universe

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



19.4090, 0.3455, 0.1678



27.0684, 0.3459, 0.1679



30.8612, 0.5171, 0.4273



13.2532, 0.3152, 0.3080



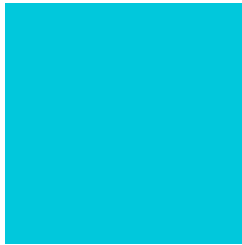
11.3830, 0.3452, 0.1675



0.7436, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 46.4759, 0.2167, 0.2999 looks on a white background.

Color Contrast Check

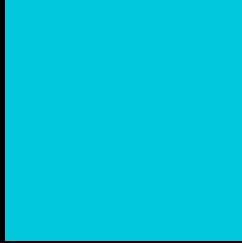
Large Text (above 18pt) WCAG AA × Fail

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 46.4759, 0.2167, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

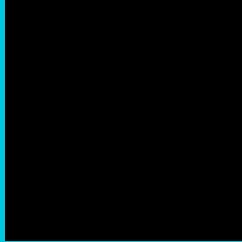
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4759, 0.2167, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 46.4759, 0.2167, 0.2999.



This preview shows how white text looks on a background with the Yxy color 46.4759, 0.2167, 0.2999.

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

46.4823, 0.2167, 0.2999

Protanopia

45.9265, 0.2896, 0.2945

Deuteranopia

45.8792, 0.2747, 0.2694



Tritanopia

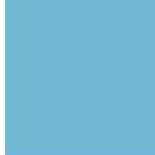
46.3183, 0.2178, 0.3041

Trichromacy



Original Color

46.4823, 0.2167, 0.2999



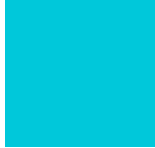
Protanomaly

43.6885, 0.2446, 0.2951



Deuteranomaly

43.4051, 0.2373, 0.2767



Tritanomaly

46.3705, 0.2174, 0.3027

Monochromacy



Original Color

46.4823, 0.2167, 0.2999



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.7153, 0.2494, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4759, 0.2167, 0.2999 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, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 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(1, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.4759, 0.2167, 0.2999 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, 200, 220) }
```

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

```
.border{ border-color:rgb(1, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4759, 0.2167, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 200, 220) }
```

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

```
.background{ background-color: rgb(1, 200,  
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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