

Converting Colors

$Y_{xy}(40.9858, 0.2200, 0.2963)$

Have a look what the booklet for
Yxy(40.9858, 0.2200, 0.2963)
contains.

Yxy(41.0413, 0.2202, 0.2972)	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(41.0413, 0.2202, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	29BCD1
RGB	41, 188, 209
RGB Percent	16%, 74%, 82%
CMY	0.8390, 0.2627, 0.1804
CMYK	0.80, 0.10, 0.00, 0.18
HSL	188°, 67%, 49%
HSV	188°, 80%, 82%
XYZ	30.4081, 41.0413, 66.6438
YIQ	146.4410, -94.3530, -24.6330

Conversions

Conversions Part 2

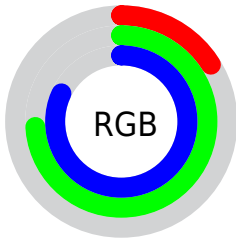
Format	Color
R _Y B	41, 119, 209
Decimal	2735313
CIE Lab	70.20, -29.60, -21.18
CIE LCh	70, 36.400, 215.583
Yxy	41.0413, 0.2202, 0.2972
Android (android.graphics.Color)	4280925393 (0xFF29BCD1)
YUV	146.4410, 30.8416, -92.4718
Hunter-Lab	64.0635, -27.3850, -16.8336

Details

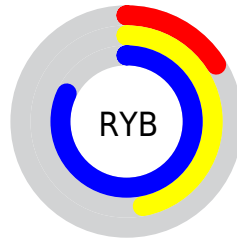
The Yxy color **41.0413, 0.2202, 0.2972** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **17.1693, 0.5741, 0.3468**, and the grayscale version is **28.8428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2378, 0.2409, 0.3171**, and **19.4168, 0.2128, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **39.6137, 0.2161, 0.2928**, and if you desaturate by 10%, it is **42.7201, 0.2262, 0.3016**.

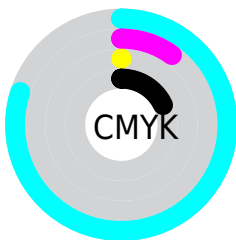
Distribution



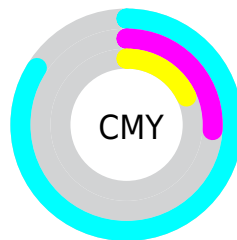
- Red (16%)
- Green (74%)
- Blue (82%)



- Red (16%)
- Yellow (47%)
- Blue (82%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0413, 0.2202, 0.2972 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 41.0413, 0.2202, 0.2972 by changing the saturation by 10% instead.

41.0413, 0.2202,
0.2972

41.0413, 0.2202,
0.2972

350.4932, 0.2656,
0.3148

28.3514, 0.2093,
0.2923

76.7466, 0.2364,
0.3040

18.5907, 0.1956,
0.2858

100.5307, 0.2426,
0.3064

11.3749, 0.1779,
0.2768

128.7817, 0.2478,
0.3084

6.3196, 0.1545,
0.2635

161.8839, 0.2524,
0.3101

3.0404, 0.1227,
0.2426

200.2218, 0.2563,
0.3116

1.1528, 0.0641,
0.2103

244.1797, 0.2598,

0.0227, 0.0000,

0.3128

0.0139

294.1420, 0.2629,
0.3139

■ 0.0000, 0.0000,
0.0000

■ 41.0413, 0.2202,
0.2972

■ 41.0413, 0.2202,
0.2972

■ 39.6137, 0.2161,
0.2928

■ 42.7201, 0.2262,
0.3016

■ 38.4147, 0.2135,
0.2887

■ 44.6774, 0.2341,
0.3060

■ 46.9414, 0.2439,
0.3103

■ 49.5357, 0.2553,
0.3145

■ 52.4812, 0.2681,
0.3185

■ 55.7972, 0.2821,
0.3222

■ 59.5015, 0.2969,
0.3257

■ 63.6106, 0.3122,
0.3289

■ 68.1402, 0.3277,
0.3318

Harmonies

Analogous

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



41.0413, 0.2437, 0.3488



41.0413, 0.2202, 0.2972



41.0413, 0.2191, 0.2610

Triad

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



41.0413, 0.2202, 0.2972



41.0413, 0.3335, 0.2716



41.0413, 0.3857, 0.4176

Complementary

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



41.0413, 0.2202, 0.2972



17.1693, 0.5741, 0.3468

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.



41.0413, 0.4148, 0.3874



41.0413, 0.2202, 0.2972



41.0413, 0.3843, 0.3059

Square

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



41.0413, 0.2202, 0.2972



41.0413, 0.2806, 0.2500



41.0413, 0.4150, 0.3469



41.0413, 0.3383, 0.4244

Rectangle

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



41.0413, 0.2202, 0.2972



41.0413, 0.2308, 0.2484



41.0413, 0.4150, 0.3469



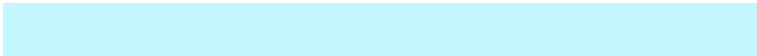
41.0413, 0.3980, 0.4095

Sweetspot

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



41.0428, 0.2202, 0.2972



85.3958, 0.2765, 0.3208



46.4097, 0.2958, 0.5592



17.8804, 0.2715, 0.3194



0.0000, 0.0000, 0.0000



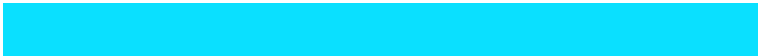
21.4041, 0.3127, 0.3290

Same Dimension

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



41.0428, 0.2202, 0.2972



60.8022, 0.2143, 0.2899



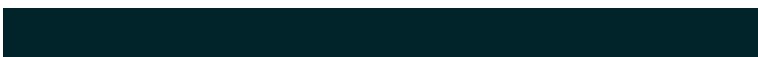
15.2694, 0.1842, 0.1605



13.1442, 0.2983, 0.3260



23.7835, 0.2137, 0.2893



1.4022, 0.2159, 0.2972

Inverse Universe

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



18.7771, 0.3470, 0.1801



26.8839, 0.3543, 0.1736



33.8537, 0.4755, 0.4378



11.9825, 0.3157, 0.3089



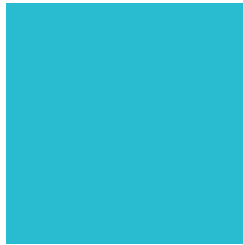
10.4722, 0.3550, 0.1729



0.5928, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 41.0413, 0.2202, 0.2972 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 41.0413, 0.2202, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

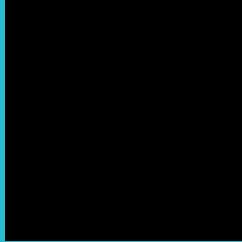
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0413, 0.2202, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 41.0413, 0.2202, 0.2972.

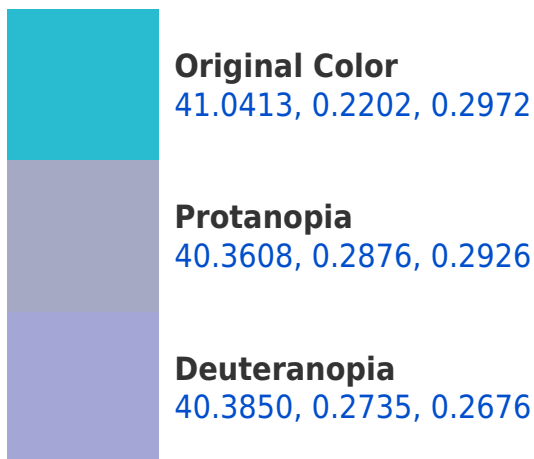


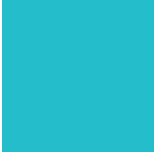
This preview shows how white text looks on a background with the Yxy color 41.0413, 0.2202, 0.2972.

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





Tritanopia

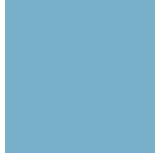
41.1299, 0.2218, 0.3059

Trichromacy



Original Color

41.0413, 0.2202, 0.2972



Protanomaly

39.2608, 0.2521, 0.2927



Deuteranomaly

39.3353, 0.2449, 0.2766



Tritanomaly

41.2635, 0.2213, 0.3030

Monochromacy



Original Color

41.0413, 0.2202, 0.2972



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.5425, 0.2612, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0413, 0.2202, 0.2972 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(41, 188, 209)` looks like.

```
.text, #text, p{  
    color:rgb(41, 188, 209)  
}
```

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(41, 188, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 188, 209) }
```

Border

The CSS property to change the border of an element to Yxy 41.0413, 0.2202, 0.2972 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(41, 188, 209) }
```

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

```
.border{ border-color:rgb(41, 188, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 188, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 188, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 188, 209);  
box-shadow:4px 4px 4px 4px rgb(41, 188,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0413, 0.2202, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 188, 209) }
```

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

```
.background{ background-color: rgb(41, 188,  
209) }
```

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