

Converting Colors

$Yxy(39.6644, 0.1940, 0.3056)$

Have a look what the booklet for
Yxy(39.6644, 0.1940, 0.3056)
contains.

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Color

Yxy(42.1555, 0.2188, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	01C0CE
RGB	1, 192, 206
RGB Percent	0%, 75%, 81%
CMY	0.9970, 0.2471, 0.1922
CMYK	1.00, 0.07, 0.00, 0.19
HSL	184°, 99%, 41%
HSV	184°, 100%, 81%
XYZ	29.9955, 42.1555, 64.9400
YIQ	136.4870, -118.3300, -36.1380

Conversions

Conversions Part 2

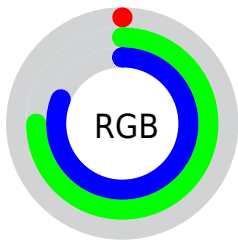
Format	Color
RYB	1, 100, 206
Decimal	114894
CIELab	70.98, -34.49, -18.39
CIELCh	71, 39.085, 208.065
Yxy	42.1555, 0.2188, 0.3075
Android (android.graphics.Color)	4278304974 (0xFF01C0CE)
YUV	136.4870, 34.2699, -118.8221
Hunter-Lab	64.9273, -31.1581, -13.8526

Details

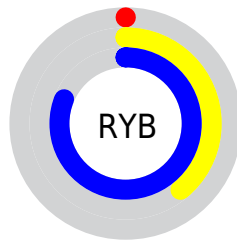
The Yxy color **42.1555, 0.2188, 0.3075** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.4564, 0.6350, 0.3335**, and the grayscale version is **24.6839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9746, 0.2383, 0.3218**, and **20.4440, 0.2168, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **42.1295, 0.2187, 0.3074**, and if you desaturate by 10%, it is **42.9353, 0.2209, 0.3098**.

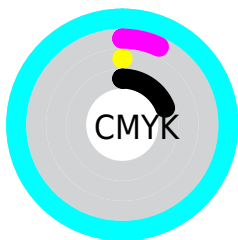
Distribution



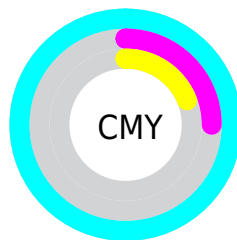
- Red (0%)
- Green (75%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1555, 0.2188, 0.3075 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 42.1555, 0.2188, 0.3075 by changing the saturation by 10% instead.


 42.1555, 0.2188,
0.3075

 42.1555, 0.2188,
0.3075


355.1271, 0.2647,
0.3200


 29.2231, 0.2078,
0.3039


 78.4349, 0.2352,
0.3124


 19.2496, 0.1940,
0.2989


 102.5507, 0.2414,
0.3142


 11.8508, 0.1762,
0.2919


 131.1630, 0.2467,
0.3156

 6.6422, 0.1527,
0.2813

 164.6563, 0.2513,
0.3168

 3.2393, 0.1208,
0.2641

 203.4150, 0.2553,
0.3178

 1.2579, 0.0592,
0.2377

247.8234, 0.2588,

 0.1083, 0.0000,

0.3186

0.0684

298.2660, 0.2620,
0.3194

■ 0.0000, 0.0000,
0.0000

■ 42.1555, 0.2188,
0.3075

■ 42.1555, 0.2188,
0.3075

■ 42.1295, 0.2187,
0.3074

■ 42.9353, 0.2209,
0.3098

■ 43.8889, 0.2244,
0.3121

■ 45.0713, 0.2298,
0.3144

■ 46.5126, 0.2371,
0.3167

■ 48.2383, 0.2463,
0.3190

■ 50.2708, 0.2572,
0.3212

■ 52.6301, 0.2697,
0.3234

■ 55.3346, 0.2833,
0.3254

■ 58.4013, 0.2980,
0.3273

Harmonies

Analogous

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



42.1555, 0.2490, 0.3645



42.1555, 0.2188, 0.3075



42.1555, 0.2118, 0.2642

Triad

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



42.1555, 0.2188, 0.3075



42.1555, 0.3200, 0.2611



42.1555, 0.4001, 0.4165

Complementary

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



42.1555, 0.2188, 0.3075



13.4564, 0.6350, 0.3335

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.



42.1555, 0.4244, 0.3801



42.1555, 0.2188, 0.3075



42.1555, 0.3766, 0.2943

Square

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



42.1555, 0.2188, 0.3075



42.1555, 0.2661, 0.2425



42.1555, 0.4163, 0.3364



42.1555, 0.3532, 0.4321

Rectangle

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



42.1555, 0.2188, 0.3075



42.1555, 0.2202, 0.2474



42.1555, 0.4163, 0.3364



42.1555, 0.4113, 0.4059

Sweetspot

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



42.1570, 0.2188, 0.3075



84.9810, 0.2687, 0.3232



44.1747, 0.2990, 0.5960



17.8296, 0.2633, 0.3223



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.



42.1570, 0.2188, 0.3075



68.1434, 0.2187, 0.3071



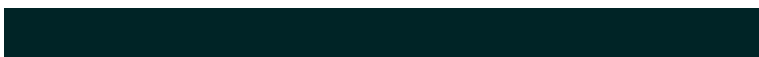
11.7207, 0.1711, 0.1357



12.5909, 0.2984, 0.3274



26.0033, 0.2188, 0.3078



1.3817, 0.2201, 0.3122

Inverse Universe

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



16.9420, 0.3389, 0.1642



27.4103, 0.3392, 0.1642



25.8570, 0.5215, 0.4238



11.3900, 0.3148, 0.3077



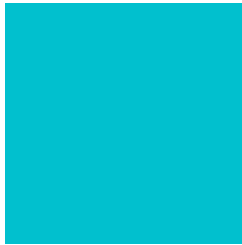
10.4280, 0.3386, 0.1639



0.5420, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 42.1555, 0.2188, 0.3075 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 42.1555, 0.2188, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

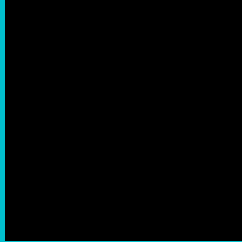
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1555, 0.2188, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 42.1555, 0.2188, 0.3075.



This preview shows how white text looks on a background with the Yxy color 42.1555, 0.2188, 0.3075.

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

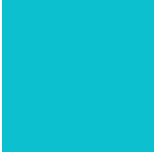
42.1620, 0.2188, 0.3075

Protanopia

41.4776, 0.2949, 0.3009

Deuteranopia

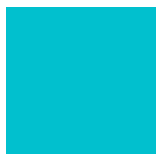
41.6251, 0.2806, 0.2746



Tritanopia

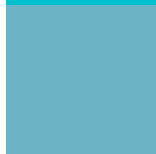
42.2898, 0.2191, 0.3061

Trichromacy



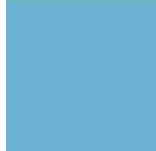
Original Color

42.1620, 0.2188, 0.3075



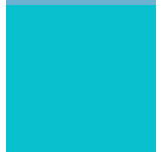
Protanomaly

39.4596, 0.2480, 0.3022



Deuteranomaly

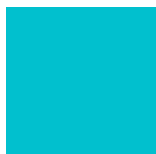
39.2359, 0.2408, 0.2827



Tritanomaly

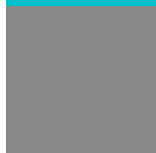
42.2623, 0.2189, 0.3061

Monochromacy



Original Color

42.1620, 0.2188, 0.3075



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.3764, 0.2510, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1555, 0.2188, 0.3075 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, 192, 206)` looks like.

```
.text, #text, p{  
    color:rgb(1, 192, 206)  
}
```

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, 192, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 192, 206) }
```

Border

The CSS property to change the border of an element to Yxy 42.1555, 0.2188, 0.3075 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, 192, 206) }
```

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

```
.border{ border-color:rgb(1, 192, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 192, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 192, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 192, 206);  
box-shadow:4px 4px 4px 4px rgb(1, 192,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1555, 0.2188, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 192, 206) }
```

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

```
.background{ background-color: rgb(1, 192,  
206) }
```

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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