

Converting Colors

$Y_{xy}(44.8568, 0.2234, 0.3243)$

Have a look what the booklet for
Yxy(44.8568, 0.2234, 0.3243)
contains.

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Color

Yxy(45.0639, 0.2238, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	00C7C9
RGB	0, 199, 201
RGB Percent	0%, 78%, 79%
CMY	1.0000, 0.2196, 0.2117
CMYK	1.00, 0.01, 0.00, 0.21
HSL	181°, 100%, 39%
HSV	181°, 100%, 79%
XYZ	30.9650, 45.0639, 62.3312
YIQ	139.7270, -119.2460, -41.5660

Conversions

Conversions Part 2

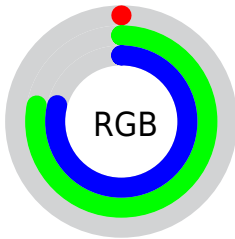
Format	Color
RYB	0, 100, 201
Decimal	51145
CIELab	72.93, -39.29, -12.73
CIELCh	73, 41.303, 197.953
Yxy	45.0639, 0.2238, 0.3257
Android (android.graphics.Color)	4278241225 (0xFF00C7C9)
YUV	139.7270, 30.2076, -122.5406
Hunter-Lab	67.1297, -35.1399, -8.0612

Details

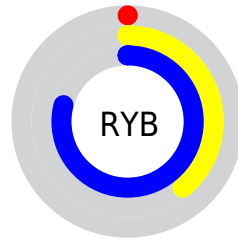
The Yxy color **45.0639, 0.2238, 0.3257** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.4628, 0.6394, 0.3305**, and the grayscale version is **26.0311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7433, 0.2399, 0.3288**, and **22.0531, 0.2230, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **45.0667, 0.2238, 0.3257**, and if you desaturate by 10%, it is **45.3089, 0.2253, 0.3260**.

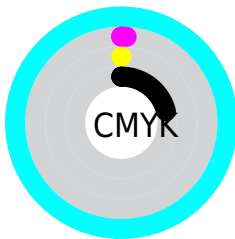
Distribution



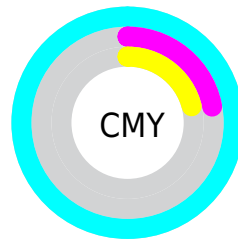
- Red (0%)
- Green (78%)
- Blue (79%)



- Red (0%)
- Yellow (39%)
- Blue (79%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0639, 0.2238, 0.3257 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 45.0639, 0.2238, 0.3257 by changing the saturation by 10% instead.


 45.0639, 0.2238,
0.3257


 45.0639, 0.2238,
0.3257


367.0323, 0.2671,
0.3288


 31.5078, 0.2134,
0.3245


 82.8163, 0.2392,
0.3271


 20.9858, 0.2004,
0.3227


 107.7813, 0.2451,
0.3276


 13.1136, 0.1837,
0.3199


 137.3181, 0.2501,
0.3279

 7.5068, 0.1614,
0.3153

 171.8111, 0.2545,
0.3282

 3.7810, 0.1310,
0.3067

 211.6446, 0.2582,
0.3284

 1.5518, 0.0759,
0.2931

257.2030, 0.2616,

 0.3248, 0.0000,

0.3285

0.2035

308.8708, 0.2645,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 45.0639, 0.2238,
0.3257

■ 45.0639, 0.2238,
0.3257

■ 45.0667, 0.2238,
0.3257

■ 45.3089, 0.2253,
0.3260

■ 45.7069, 0.2281,
0.3263

■ 46.3146, 0.2327,
0.3267

■ 47.1604, 0.2392,
0.3270

■ 48.2684, 0.2476,
0.3274

■ 49.6598, 0.2579,
0.3277

■ 51.3536, 0.2698,
0.3281

■ 53.3670, 0.2831,
0.3284

■ 55.7161, 0.2975,
0.3287

Harmonies

Analogous

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



45.0639, 0.2622, 0.3852



45.0639, 0.2238, 0.3257



45.0639, 0.2085, 0.2747

Triad

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



45.0639, 0.2238, 0.3257



45.0639, 0.3002, 0.2507



45.0639, 0.4145, 0.4080

Complementary

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



45.0639, 0.2238, 0.3257



12.4628, 0.6394, 0.3305

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.



45.0639, 0.4293, 0.3665



45.0639, 0.2238, 0.3257



45.0639, 0.3599, 0.2804

Square

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



45.0639, 0.2238, 0.3257



45.0639, 0.2492, 0.2377



45.0639, 0.4091, 0.3212



45.0639, 0.3723, 0.4335

Rectangle

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



45.0639, 0.2238, 0.3257



45.0639, 0.2118, 0.2522



45.0639, 0.4091, 0.3212



45.0639, 0.4231, 0.3952

Sweetspot

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



45.0667, 0.2238, 0.3257



87.7778, 0.2692, 0.3281



41.7790, 0.3000, 0.6000



18.5108, 0.2640, 0.3279



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.



45.0667, 0.2238, 0.3257



77.1260, 0.2238, 0.3257



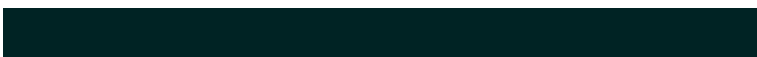
13.4294, 0.1769, 0.1568



12.0487, 0.2984, 0.3287



28.3410, 0.2238, 0.3257



1.3479, 0.2240, 0.3264

Inverse Universe

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



16.5430, 0.3234, 0.1555



28.3171, 0.3235, 0.1556



21.6309, 0.5415, 0.4082



10.8147, 0.3139, 0.3065



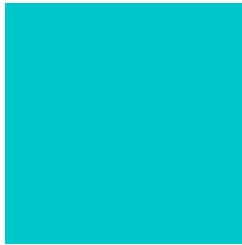
10.4010, 0.3234, 0.1555



0.4931, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 45.0639, 0.2238, 0.3257 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 45.0639, 0.2238, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

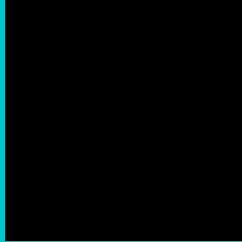
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0639, 0.2238, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 45.0639, 0.2238, 0.3257.

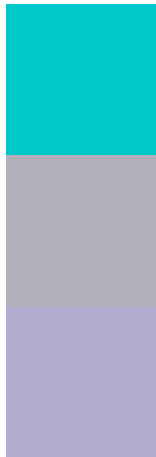


This preview shows how white text looks on a background with the Yxy color 45.0639, 0.2238, 0.3257.

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

45.0639, 0.2238, 0.3257

Protanopia

44.4971, 0.3056, 0.3158

Deuteranopia

44.2159, 0.2927, 0.2859



Tritanopia

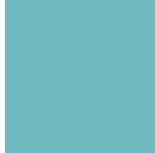
45.0767, 0.2210, 0.3053

Trichromacy



Original Color

45.0639, 0.2238, 0.3257



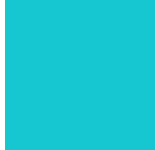
Protanomaly

42.0144, 0.2553, 0.3186



Deuteranomaly

41.5085, 0.2482, 0.2959



Tritanomaly

45.1622, 0.2216, 0.3124

Monochromacy



Original Color

45.0639, 0.2238, 0.3257



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.2222, 0.2531, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0639, 0.2238, 0.3257 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 201) }
```

Border

The CSS property to change the border of an element to Yxy 45.0639, 0.2238, 0.3257 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, 201) }
```

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

```
.border{ border-color:rgb(0, 199, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0639, 0.2238, 0.3257 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, 201) }
```

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

```
.background{ background-color: rgb(0, 199,  
201) }
```

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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