

Converting Colors

$Y_{xy}(46.2585, 0.2266, 0.3357)$

Have a look what the booklet for
Yxy(46.2585, 0.2266, 0.3357)
contains.

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Color

Yxy(46.2723, 0.2268, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	01CAC5
RGB	1, 202, 197
RGB Percent	0%, 79%, 77%
CMY	0.9970, 0.2079, 0.2274
CMYK	1.00, 0.00, 0.02, 0.21
HSL	179°, 99%, 40%
HSV	179°, 100%, 79%
XYZ	31.2059, 46.2723, 60.1141
YIQ	141.3310, -118.1910, -44.1670

Conversions

Conversions Part 2

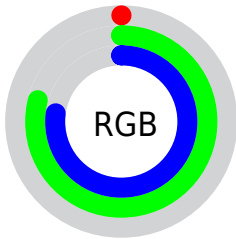
Format	Color
RYB	1, 103, 202
Decimal	117445
CIELab	73.72, -41.80, -9.38
CIELCh	74, 42.837, 192.648
Yxy	46.2723, 0.2268, 0.3363
Android (android.graphics.Color)	4278307525 (0xFF01CAC5)
YUV	141.3310, 27.4448, -123.0703
Hunter-Lab	68.0237, -37.1546, -4.7793

Details

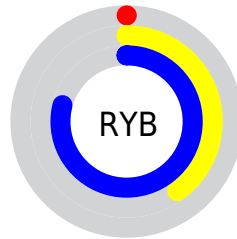
The Yxy color **46.2723, 0.2268, 0.3363** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.5848, 0.6371, 0.3287**, and the grayscale version is **26.6672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7399, 0.2406, 0.3299**, and **22.8506, 0.2269, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **46.2682, 0.2268, 0.3363**, and if you desaturate by 10%, it is **46.4511, 0.2280, 0.3355**.

Distribution



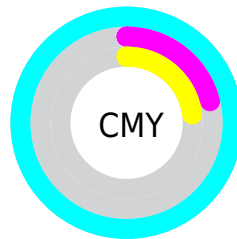
- Red (0%)
- Green (79%)
- Blue (77%)



- Red (0%)
- Yellow (40%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2723, 0.2268, 0.3363 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 46.2723, 0.2268, 0.3363 by changing the saturation by 10% instead.


 46.2723, 0.2268,
0.3363

 46.2723, 0.2268,
0.3363

371.9023, 0.2687,
0.3338


 32.4608, 0.2168,
0.3365


 84.6264, 0.2417,
0.3357


 21.7137, 0.2042,
0.3366


 109.9377, 0.2474,
0.3354


 13.6467, 0.1879,
0.3364


 139.8510, 0.2523,
0.3351

 7.8753, 0.1662,
0.3353

 174.7508, 0.2564,
0.3348

 4.0153, 0.1363,
0.3321

 215.0215, 0.2601,
0.3345

 1.6821, 0.0824,
0.3274

261.0473, 0.2633,

 0.4120, 0.0000,

0.3343

0.2705

313.2128, 0.2661,
0.3340

■ 0.0000, 0.0000,
0.0000

■ 46.2723, 0.2268,
0.3363

■ 46.2723, 0.2268,
0.3363

■ 46.2682, 0.2268,
0.3363

■ 46.4511, 0.2280,
0.3355

■ 46.7899, 0.2306,
0.3347

■ 47.3420, 0.2350,
0.3339

■ 48.1358, 0.2413,
0.3331

■ 49.1957, 0.2495,
0.3323

■ 50.5430, 0.2596,
0.3316

■ 52.1967, 0.2712,
0.3309

■ 54.1744, 0.2842,
0.3302

■ 56.4921, 0.2984,
0.3296

Harmonies

Analogous

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



46.2723, 0.2697, 0.3968



46.2723, 0.2268, 0.3363



46.2723, 0.2069, 0.2809

Triad

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



46.2723, 0.2268, 0.3363



46.2723, 0.2895, 0.2451



46.2723, 0.4223, 0.4030

Complementary

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



46.2723, 0.2268, 0.3363



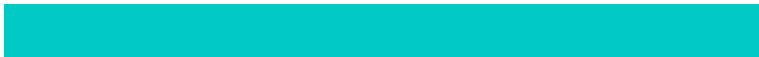
12.5848, 0.6371, 0.3287

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.



46.2723, 0.4315, 0.3589



46.2723, 0.2268, 0.3363



46.2723, 0.3505, 0.2727

Square

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



46.2723, 0.2268, 0.3363



46.2723, 0.2402, 0.2351



46.2723, 0.4047, 0.3129



46.2723, 0.3829, 0.4336

Rectangle

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



46.2723, 0.2268, 0.3363



46.2723, 0.2074, 0.2552



46.2723, 0.4047, 0.3129



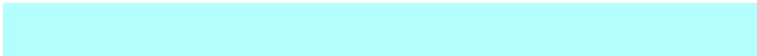
46.2723, 0.4292, 0.3891

Sweetspot

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



46.2740, 0.2268, 0.3363



88.1428, 0.2702, 0.3309



42.2874, 0.3006, 0.5992



18.5999, 0.2651, 0.3312



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.



46.2740, 0.2268, 0.3363



78.3398, 0.2268, 0.3364



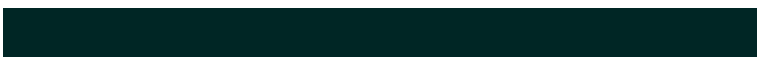
15.0125, 0.1803, 0.1687



12.7221, 0.2987, 0.3295



29.7776, 0.2267, 0.3362



1.5377, 0.2263, 0.3347

Inverse Universe

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



12.5848, 0.6371, 0.3287



21.2738, 0.6383, 0.3290



20.6827, 0.5506, 0.4007



11.2181, 0.3286, 0.3285



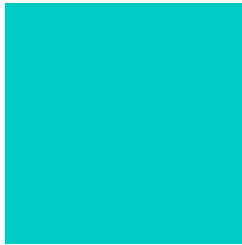
8.0890, 0.6371, 0.3283



0.4189, 0.6270, 0.3228

Previews

White Background



This preview shows how the Yxy color 46.2723, 0.2268, 0.3363 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 46.2723, 0.2268, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

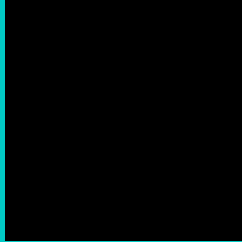
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

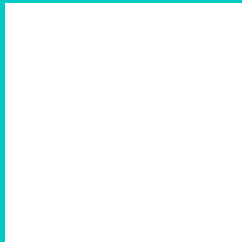
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2723, 0.2268, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 46.2723, 0.2268, 0.3363.

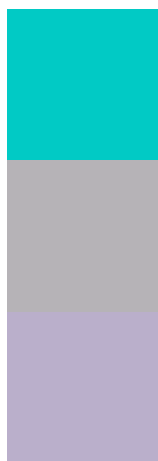


This preview shows how white text looks on a background with the Yxy color 46.2723, 0.2268, 0.3363.

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

46.2787, 0.2268, 0.3363

Protanopia

45.6042, 0.3121, 0.3238

Deuteranopia

45.4108, 0.2999, 0.2937



Tritanopia

46.2246, 0.2221, 0.3056

Trichromacy



Original Color

46.2787, 0.2268, 0.3363



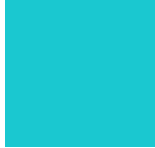
Protanomaly

42.8845, 0.2599, 0.3274



Deuteranomaly

42.8369, 0.2536, 0.3060



Tritanomaly

46.0822, 0.2233, 0.3169

Monochromacy



Original Color

46.2787, 0.2268, 0.3363



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.9413, 0.2550, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2723, 0.2268, 0.3363 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, 202, 197)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 197)  
}
```

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, 202, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 197) }
```

Border

The CSS property to change the border of an element to Yxy 46.2723, 0.2268, 0.3363 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, 202, 197) }
```

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

```
.border{ border-color:rgb(1, 202, 197) }
```

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

Here you see how a box with a 4 pixel rgb(1, 202, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 202, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 202, 197);  
box-shadow:4px 4px 4px 4px rgb(1, 202,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2723, 0.2268, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 197) }
```

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

```
.background{ background-color: rgb(1, 202,  
197) }
```

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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