

Converting Colors

$Y_{xy}(40.1568, 0.2238, 0.3256)$

Have a look what the booklet for
Yxy(40.1568, 0.2238, 0.3256)
contains.

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Color

Yxy(40.1568, 0.2238, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	00BDBF
RGB	0, 189, 191
RGB Percent	0%, 74%, 75%
CMY	0.9990, 0.2588, 0.2511
CMYK	1.00, 0.01, 0.00, 0.25
HSL	181°, 100%, 37%
HSV	181°, 100%, 75%
XYZ	27.6016, 40.1568, 55.5733
YIQ	132.7170, -113.2860, -39.4460

Conversions

Conversions Part 2

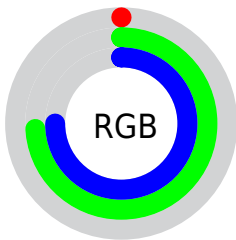
Format	Color
RYB	0, 95, 191
Decimal	48575
CIELab	69.58, -37.78, -12.28
CIELCh	70, 39.722, 198.006
Yxy	40.1568, 0.2238, 0.3256
Android (android.graphics.Color)	4278238655 (0xFF00BDBF)
YUV	132.7170, 28.7335, -116.3928
Hunter-Lab	63.3694, -33.1477, -7.6372

Details

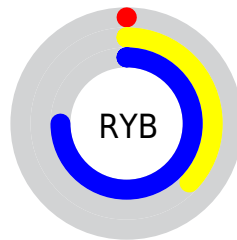
The Yxy color **40.1568, 0.2238, 0.3256** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.1228, 0.6391, 0.3305**, and the grayscale version is **23.3013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4517, 0.2398, 0.3276**, and **19.1629, 0.2229, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **40.1554, 0.2238, 0.3256**, and if you desaturate by 10%, it is **40.3839, 0.2253, 0.3259**.

Distribution



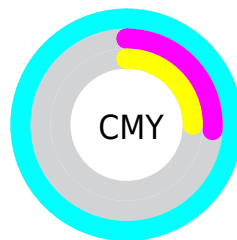
- Red (0%)
- Green (74%)
- Blue (75%)



- Red (0%)
- Yellow (37%)
- Blue (75%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1568, 0.2238, 0.3256 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 40.1568, 0.2238, 0.3256 by changing the saturation by 10% instead.


 40.1568, 0.2238,
0.3256


 40.1568, 0.2238,
0.3256

346.7840, 0.2680,
0.3287


 27.6608, 0.2130,
0.3243


 75.4022, 0.2397,
0.3271


 18.0701, 0.1993,
0.3224


 98.9205, 0.2457,
0.3275


 11.0004, 0.1814,
0.3194


 126.8816, 0.2508,
0.3279

 6.0671, 0.1573,
0.3141

 159.6699, 0.2552,
0.3281

 2.8859, 0.1237,
0.3040

 197.6700, 0.2590,
0.3284

 1.0725, 0.0239,
0.2981

241.2661, 0.2624,

 0.0000, 0.0000,

0.3285

0.0000

290.8426, 0.2653,
0.3286

■ 40.1568, 0.2238,
0.3256

■ 40.1568, 0.2238,
0.3256

■ 40.1554, 0.2238,
0.3256

■ 40.3839, 0.2253,
0.3259

■ 40.7480, 0.2282,
0.3263

■ 41.2989, 0.2329,
0.3266

■ 42.0616, 0.2395,
0.3270

■ 43.0572, 0.2479,
0.3273

■ 44.3043, 0.2582,
0.3277

■ 45.8196, 0.2701,
0.3280

■ 47.6184, 0.2833,
0.3284

■ 49.7147, 0.2977,
0.3287

Harmonies

Analogous

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



40.1568, 0.2621, 0.3851



40.1568, 0.2238, 0.3256



40.1568, 0.2086, 0.2746

Triad

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



40.1568, 0.2238, 0.3256



40.1568, 0.3003, 0.2508



40.1568, 0.4144, 0.4080

Complementary

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



40.1568, 0.2238, 0.3256



11.1228, 0.6391, 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.



40.1568, 0.4292, 0.3665



40.1568, 0.2238, 0.3256



40.1568, 0.3600, 0.2805

Square

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



40.1568, 0.2238, 0.3256



40.1568, 0.2493, 0.2378



40.1568, 0.4091, 0.3213



40.1568, 0.3722, 0.4335

Rectangle

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



40.1568, 0.2238, 0.3256



40.1568, 0.2119, 0.2522



40.1568, 0.4091, 0.3213



40.1568, 0.4230, 0.3952

Sweetspot

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



40.1583, 0.2238, 0.3256



81.9033, 0.2693, 0.3280



37.2544, 0.3000, 0.5999



17.7203, 0.2641, 0.3279



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1583, 0.2238, 0.3256



71.9127, 0.2238, 0.3255



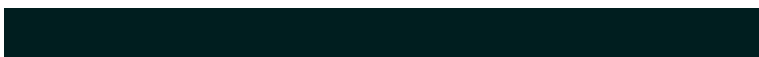
12.0591, 0.1772, 0.1576



10.7921, 0.2985, 0.3287



26.4042, 0.2238, 0.3256



1.0398, 0.2240, 0.3264

Inverse Universe

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



14.7535, 0.3235, 0.1556



26.4174, 0.3236, 0.1556



19.3709, 0.5408, 0.4087



9.6945, 0.3139, 0.3066



9.6952, 0.3235, 0.1556



0.3803, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 40.1568, 0.2238, 0.3256 looks on a white background.

Color Contrast Check

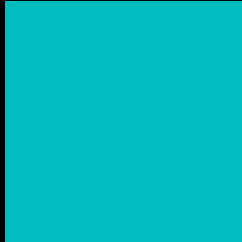
Large Text (above 18pt) WCAG AA × Fail

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 40.1568, 0.2238, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

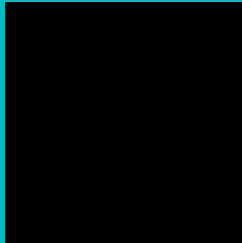
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1568, 0.2238, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 40.1568, 0.2238, 0.3256.

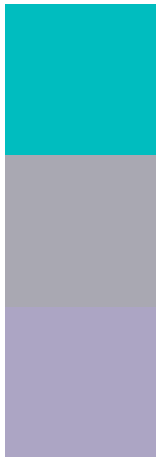


This preview shows how white text looks on a background with the Yxy color 40.1568, 0.2238, 0.3256.

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

40.1568, 0.2238, 0.3256

Protanopia

39.6546, 0.3052, 0.3152

Deuteranopia

39.6664, 0.2933, 0.2878



Tritanopia

40.1120, 0.2212, 0.3057

Trichromacy



Original Color

40.1568, 0.2238, 0.3256



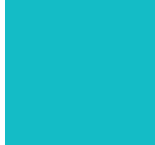
Protanomaly

37.6577, 0.2556, 0.3181



Deuteranomaly

37.4821, 0.2496, 0.2989



Tritanomaly

40.1924, 0.2218, 0.3132

Monochromacy



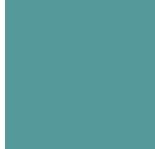
Original Color

40.1568, 0.2238, 0.3256



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.0469, 0.2536, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1568, 0.2238, 0.3256 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, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 191)  
}
```

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, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 191) }
```

Border

The CSS property to change the border of an element to Yxy 40.1568, 0.2238, 0.3256 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, 189, 191) }
```

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

```
.border{ border-color:rgb(0, 189, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1568, 0.2238, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 191) }
```

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

```
.background{ background-color: rgb(0, 189,  
191) }
```

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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