

Converting Colors

$Y_{xy}(40.7339, 0.2290, 0.3442)$

Have a look what the booklet for
Yxy(40.7339, 0.2290, 0.3442)
contains.

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Color

Yxy(40.6455, 0.2288, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	01BFB6
RGB	1, 191, 182
RGB Percent	0%, 75%, 71%
CMY	0.9942, 0.2510, 0.2864
CMYK	0.99, 0.00, 0.05, 0.25
HSL	177°, 98%, 38%
HSV	177°, 99%, 75%
XYZ	27.0891, 40.6455, 50.6618
YIQ	133.1640, -110.3510, -43.0790

Conversions

Conversions Part 2

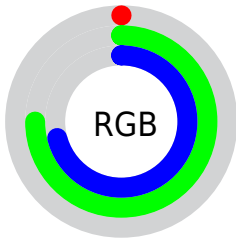
Format	Color
RYB	1, 98, 191
Decimal	114614
CIELab	69.93, -41.33, -6.83
CIELCh	70, 41.889, 189.382
Yxy	40.6455, 0.2288, 0.3433
Android (android.graphics.Color)	4278304694 (0xFF01BFB6)
YUV	133.1640, 24.0761, -115.9078
Hunter-Lab	63.7538, -35.7242, -2.4870

Details

The Yxy color **40.6455, 0.2288, 0.3433** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1311, 0.6340, 0.3274**, and the grayscale version is **23.5120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1326, 0.2439, 0.3409**, and **19.4763, 0.2295, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **40.6346, 0.2287, 0.3434**, and if you desaturate by 10%, it is **40.8300, 0.2299, 0.3418**.

Distribution



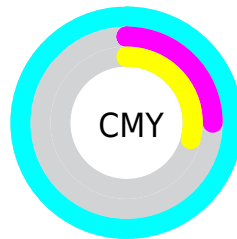
- Red (0%)
- Green (75%)
- Blue (71%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)




- Cyan (99%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6455, 0.2288, 0.3433 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 40.6455, 0.2288, 0.3433 by changing the saturation by 10% instead.


 40.6455, 0.2288,
0.3433


 40.6455, 0.2288,
0.3433


348.8368, 0.2707,
0.3370


 28.0422, 0.2184,
0.3446


 76.1455, 0.2440,
0.3412

 18.3575, 0.2052,
0.3460


 99.8109, 0.2497,
0.3404


 11.2069, 0.1879,
0.3475


 127.9325, 0.2545,
0.3396

 6.2062, 0.1643,
0.3489

 160.8947, 0.2587,
0.3390

 2.9709, 0.1307,
0.3491

 199.0818, 0.2623,
0.3384

 1.1165, 0.0118,
0.3704

242.8782, 0.2655,

 0.0000, 0.0000,

0.3379

0.0000

292.6685, 0.2683,
0.3374

■ 40.6455, 0.2288,
0.3433

■ 40.6455, 0.2288,
0.3433

■ 40.6346, 0.2287,
0.3434

■ 40.8300, 0.2299,
0.3418

■ 41.1577, 0.2325,
0.3402

■ 41.6742, 0.2368,
0.3386

■ 42.4041, 0.2431,
0.3371

■ 43.3683, 0.2513,
0.3355

■ 44.5853, 0.2612,
0.3340

■ 46.0717, 0.2726,
0.3326

■ 47.8427, 0.2854,
0.3313

■ 49.9123, 0.2993,
0.3301

Harmonies

Analogous

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



40.6455, 0.2746, 0.4041



40.6455, 0.2288, 0.3433



40.6455, 0.2059, 0.2850

Triad

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



40.6455, 0.2288, 0.3433



40.6455, 0.2826, 0.2415



40.6455, 0.4272, 0.3997

Complementary

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



40.6455, 0.2288, 0.3433



11.1311, 0.6340, 0.3274

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.



40.6455, 0.4328, 0.3541



40.6455, 0.2288, 0.3433



40.6455, 0.3443, 0.2679

Square

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



40.6455, 0.2288, 0.3433



40.6455, 0.2345, 0.2335



40.6455, 0.4016, 0.3076



40.6455, 0.3896, 0.4335

Rectangle

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



40.6455, 0.2288, 0.3433



40.6455, 0.2046, 0.2572



40.6455, 0.4016, 0.3076



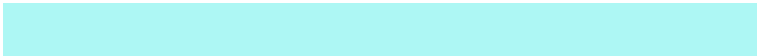
40.6455, 0.4331, 0.3852

Sweetspot

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



40.6470, 0.2288, 0.3433



82.1572, 0.2711, 0.3328



37.3350, 0.3010, 0.5986



17.7839, 0.2661, 0.3334



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.



40.6470, 0.2288, 0.3433



72.7675, 0.2288, 0.3437



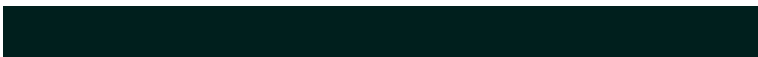
14.0198, 0.1823, 0.1757



10.8015, 0.2991, 0.3301



26.7085, 0.2287, 0.3432



1.0486, 0.2276, 0.3395

Inverse Universe

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



11.1311, 0.6340, 0.3274



19.8638, 0.6366, 0.3280



17.8569, 0.5540, 0.3976



9.5435, 0.3281, 0.3279



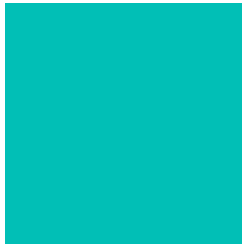
7.2957, 0.6340, 0.3266



0.2883, 0.6117, 0.3143

Previews

White Background



This preview shows how the Yxy color 40.6455, 0.2288, 0.3433 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 40.6455, 0.2288, 0.3433 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

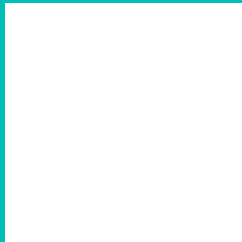
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6455, 0.2288, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 40.6455, 0.2288, 0.3433.

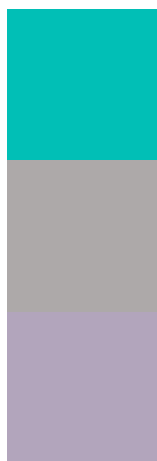


This preview shows how white text looks on a background with the Yxy color 40.6455, 0.2288, 0.3433.

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

40.6455, 0.2288, 0.3433

Protanopia

40.1247, 0.3164, 0.3290

Deuteranopia

40.0061, 0.3051, 0.2985



Tritanopia

40.7705, 0.2230, 0.3059

Trichromacy



Original Color

40.6455, 0.2288, 0.3433



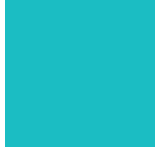
Protanomaly

37.8798, 0.2634, 0.3335



Deuteranomaly

37.3947, 0.2570, 0.3107



Tritanomaly

40.5683, 0.2244, 0.3194

Monochromacy



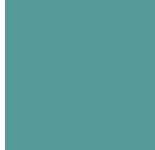
Original Color

40.6455, 0.2288, 0.3433



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.2769, 0.2560, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6455, 0.2288, 0.3433 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, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 182)  
}
```

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, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 182) }
```

Border

The CSS property to change the border of an element to Yxy 40.6455, 0.2288, 0.3433 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, 191, 182) }
```

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

```
.border{ border-color:rgb(1, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6455, 0.2288, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 182) }
```

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

```
.background{ background-color: rgb(1, 191,  
182) }
```

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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