

Converting Colors

$Y_{xy}(36.8985, 0.2338, 0.3558)$

Have a look what the booklet for
Yxy(36.8985, 0.2338, 0.3558)
contains.

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Color

Yxy(36.7954, 0.2339, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	13B7A7
RGB	19, 183, 167
RGB Percent	7%, 72%, 65%
CMY	0.9259, 0.2823, 0.3451
CMYK	0.90, 0.00, 0.09, 0.28
HSL	174°, 81%, 40%
HSV	174°, 90%, 72%
XYZ	24.1754, 36.7954, 42.3871
YIQ	132.1400, -92.6080, -39.7440

Conversions

Conversions Part 2

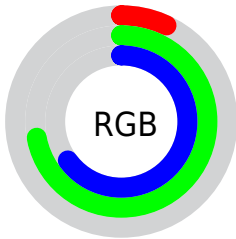
Format	Color
RYB	19, 105, 183
Decimal	1292199
CIELab	67.12, -41.49, -2.72
CIELCh	67, 41.581, 183.748
Yxy	36.7954, 0.2339, 0.3560
Android (android.graphics.Color)	4279482279 (0xFF13B7A7)
YUV	132.1400, 17.1860, -99.2238
Hunter-Lab	60.6592, -35.0134, 1.0312

Details

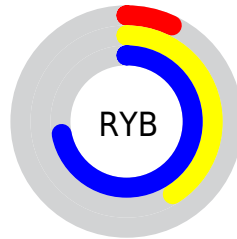
The Yxy color **36.7954, 0.2339, 0.3560** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.6513, 0.6026, 0.3199**, and the grayscale version is **23.0797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4189, 0.2487, 0.3515**, and **16.9383, 0.2339, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **36.5976, 0.2332, 0.3593**, and if you desaturate by 10%, it is **37.1229, 0.2361, 0.3527**.

Distribution



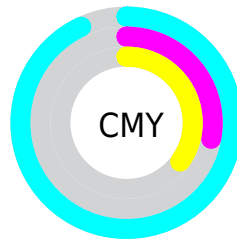
- Red (7%)
- Green (72%)
- Blue (65%)



- Red (7%)
- Yellow (41%)
- Blue (72%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)




- Cyan (93%)
- Magenta (28%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7954, 0.2339, 0.3560 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 36.7954, 0.2339, 0.3560 by changing the saturation by 10% instead.


 36.7954, 0.2339,
0.3560


 36.7954, 0.2339,
0.3560


332.4239, 0.2742,
0.3425


 25.0491, 0.2236,
0.3593


 70.2580, 0.2487,
0.3511

 16.1137, 0.2103,
0.3635


 92.7431, 0.2543,
0.3493

 9.6046, 0.1925,
0.3689


 119.5766, 0.2589,
0.3477

 5.1376, 0.1676,
0.3762

 151.1429, 0.2629,
0.3464

 2.3282, 0.1308,
0.3860

 187.8264, 0.2663,
0.3452

 0.7886, 0.0000,
0.4286

230.0114, 0.2693,

 0.0000, 0.0000,

0.3442

0.0000

278.0825, 0.2719,
0.3433

■ 36.7954, 0.2339,
0.3560

■ 36.7954, 0.2339,
0.3560

■ 36.5976, 0.2332,
0.3593

■ 37.1229, 0.2361,
0.3527

■ 36.5916, 0.2332,
0.3594

■ 37.6198, 0.2400,
0.3494

■ 38.3097, 0.2459,
0.3461

■ 39.2116, 0.2537,
0.3428

■ 40.3421, 0.2631,
0.3397

■ 41.7163, 0.2740,
0.3367

■ 43.3479, 0.2862,
0.3339

■ 45.2495, 0.2993,
0.3313

■ 47.4331, 0.3132,
0.3289

Harmonies

Analogous

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



36.7954, 0.2842, 0.4159



36.7954, 0.2339, 0.3560



36.7954, 0.2058, 0.2936

Triad

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



36.7954, 0.2339, 0.3560



36.7954, 0.2711, 0.2365



36.7954, 0.4339, 0.3929

Complementary

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



36.7954, 0.2339, 0.3560



10.6513, 0.6026, 0.3199

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.



36.7954, 0.4327, 0.3453



36.7954, 0.2339, 0.3560



36.7954, 0.3328, 0.2602

Square

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



36.7954, 0.2339, 0.3560



36.7954, 0.2257, 0.2322



36.7954, 0.3943, 0.2986



36.7954, 0.4005, 0.4311

Rectangle

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



36.7954, 0.2339, 0.3560



36.7954, 0.2014, 0.2622



36.7954, 0.3943, 0.2986



36.7954, 0.4378, 0.3775

Sweetspot

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



36.7968, 0.2339, 0.3560



75.3173, 0.2766, 0.3361



34.2788, 0.3044, 0.5877



16.4318, 0.2727, 0.3370



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.7968, 0.2339, 0.3560



65.5114, 0.2333, 0.3599



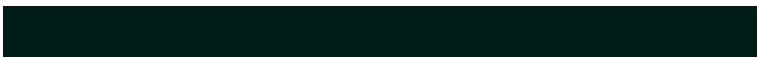
16.3645, 0.1933, 0.2078



10.1951, 0.2998, 0.3312



25.5308, 0.2331, 0.3590



0.9044, 0.2307, 0.3505

Inverse Universe

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



10.6513, 0.6026, 0.3199



18.0927, 0.6309, 0.3249



16.5403, 0.5443, 0.3938



9.0261, 0.3273, 0.3268



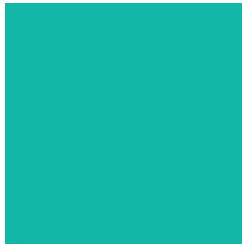
7.0581, 0.6270, 0.3228



0.2536, 0.5825, 0.2982

Previews

White Background



This preview shows how the Yxy color 36.7954, 0.2339, 0.3560 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 36.7954, 0.2339, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

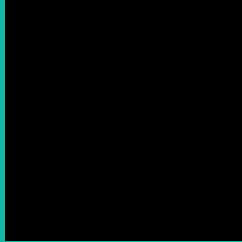
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

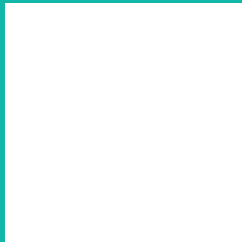
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7954, 0.2339, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 36.7954, 0.2339, 0.3560.

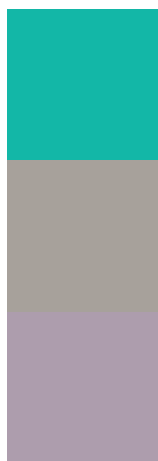


This preview shows how white text looks on a background with the Yxy color 36.7954, 0.2339, 0.3560.

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

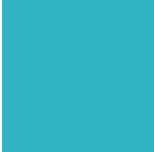
36.7954, 0.2339, 0.3560

Protanopia

36.0718, 0.3239, 0.3377

Deuteranopia

36.0153, 0.3138, 0.3068



Tritanopia

36.7636, 0.2246, 0.3050

Trichromacy



Original Color

36.7954, 0.2339, 0.3560



Protanomaly

34.3898, 0.2735, 0.3451



Deuteranomaly

33.9946, 0.2674, 0.3210



Tritanomaly

36.4965, 0.2272, 0.3222

Monochromacy



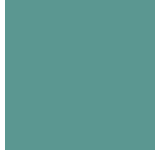
Original Color

36.7954, 0.2339, 0.3560



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4017, 0.2637, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7954, 0.2339, 0.3560 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(19, 183, 167)` looks like.

```
.text, #text, p{  
    color:rgb(19, 183, 167)  
}
```

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(19, 183, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 183, 167) }
```

Border

The CSS property to change the border of an element to Yxy 36.7954, 0.2339, 0.3560 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(19, 183, 167) }
```

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

```
.border{ border-color:rgb(19, 183, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 183, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 183, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 183, 167);  
box-shadow:4px 4px 4px 4px rgb(19, 183,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7954, 0.2339, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 183, 167) }
```

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

```
.background{ background-color: rgb(19, 183,  
167) }
```

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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