

Converting Colors

$Yxy(40.6817, 0.2343, 0.3552)$

Have a look what the booklet for
Yxy(40.6817, 0.2343, 0.3552)
contains.

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Color

Yxy(40.5634, 0.2342, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	19BFAF
RGB	25, 191, 175
RGB Percent	10%, 75%, 69%
CMY	0.9018, 0.2510, 0.3138
CMYK	0.87, 0.00, 0.08, 0.25
HSL	174°, 77%, 42%
HSV	174°, 87%, 75%
XYZ	26.7680, 40.5634, 46.9639
YIQ	139.5420, -93.8000, -40.1680

Conversions

Conversions Part 2

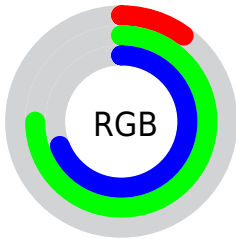
Format	Color
RYB	25, 112, 191
Decimal	1687471
CIELab	69.87, -42.39, -3.06
CIElCh	70, 42.496, 184.132
Yxy	40.5634, 0.2342, 0.3549
Android (android.graphics.Color)	4279877551 (0xFF19BFAF)
YUV	139.5420, 17.4808, -100.4533
Hunter-Lab	63.6894, -36.4349, 0.8627

Details

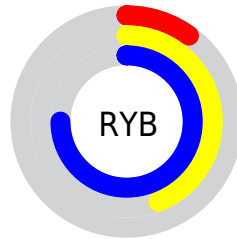
The Yxy color **40.5634, 0.2342, 0.3549** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.9340, 0.5945, 0.3190**, and the grayscale version is **26.0007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9121, 0.2486, 0.3508**, and **19.3214, 0.2334, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **40.3242, 0.2333, 0.3582**, and if you desaturate by 10%, it is **40.9692, 0.2368, 0.3516**.

Distribution



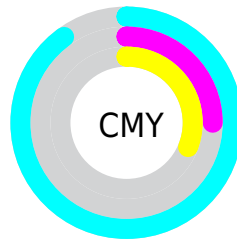
- Red (10%)
- Green (75%)
- Blue (69%)



- Red (10%)
- Yellow (44%)
- Blue (75%)



- Cyan (87%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)




- Cyan (90%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5634, 0.2342, 0.3549 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 40.5634, 0.2342, 0.3549 by changing the saturation by 10% instead.


 40.5634, 0.2342,
0.3549


 40.5634, 0.2342,
0.3549


348.4925, 0.2737,
0.3422


 27.9781, 0.2243,
0.3579


 76.0207, 0.2486,
0.3504

 18.3091, 0.2117,
0.3617


 99.6614, 0.2540,
0.3487


 11.1722, 0.1949,
0.3666


 127.7561, 0.2585,
0.3472

 6.1828, 0.1719,
0.3730

 160.6892, 0.2624,
0.3459

 2.9565, 0.1386,
0.3814

 198.8449, 0.2658,
0.3448

 1.1091, 0.0014,
0.4288

242.6078, 0.2688,

 0.0000, 0.0000,

0.3439

0.0000

292.3622, 0.2714,
0.3430

■ 40.5634, 0.2342,
0.3549

■ 40.5634, 0.2342,
0.3549

■ 40.3242, 0.2333,
0.3582

■ 40.9692, 0.2368,
0.3516

■ 40.2638, 0.2331,
0.3592

■ 41.5692, 0.2413,
0.3483

■ 42.3885, 0.2477,
0.3450

■ 43.4475, 0.2559,
0.3418

■ 44.7640, 0.2658,
0.3388

■ 46.3543, 0.2772,
0.3359

■ 48.2334, 0.2897,
0.3331

■ 50.4151, 0.3031,
0.3306

■ 52.9122, 0.3171,
0.3283

Harmonies

Analogous

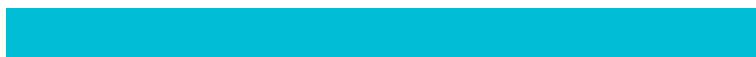
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5634, 0.2839, 0.4142



40.5634, 0.2342, 0.3549



40.5634, 0.2067, 0.2934

Triad

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



40.5634, 0.2342, 0.3549



40.5634, 0.2723, 0.2375



40.5634, 0.4325, 0.3929

Complementary

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



40.5634, 0.2342, 0.3549



11.9340, 0.5945, 0.3190

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.



40.5634, 0.4317, 0.3459



40.5634, 0.2342, 0.3549



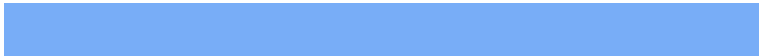
40.5634, 0.3335, 0.2612

Square

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



40.5634, 0.2342, 0.3549



40.5634, 0.2270, 0.2330



40.5634, 0.3941, 0.2995



40.5634, 0.3991, 0.4305

Rectangle

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



40.5634, 0.2342, 0.3549



40.5634, 0.2024, 0.2624



40.5634, 0.3941, 0.2995



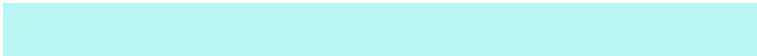
40.5634, 0.4364, 0.3777

Sweetspot

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



40.5649, 0.2342, 0.3549



83.1671, 0.2777, 0.3357



37.8184, 0.3050, 0.5841



18.0289, 0.2736, 0.3367



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.



40.5649, 0.2342, 0.3549



72.0886, 0.2332, 0.3597



18.5388, 0.1951, 0.2116



10.7932, 0.2997, 0.3312



26.4660, 0.2330, 0.3587



1.0414, 0.2308, 0.3509

Inverse Universe

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



11.9340, 0.5945, 0.3190



19.9033, 0.6313, 0.3252



18.7015, 0.5375, 0.3951



9.5509, 0.3274, 0.3268



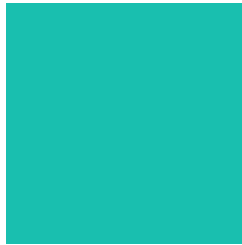
7.3145, 0.6274, 0.3230



0.2916, 0.5857, 0.3000

Previews

White Background



This preview shows how the Yxy color 40.5634, 0.2342, 0.3549 looks on a white background.

Color Contrast Check

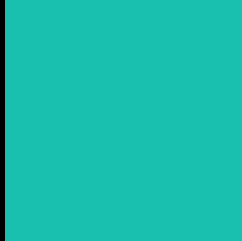
Large Text (above 18pt) WCAG AA × Fail

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 40.5634, 0.2342, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

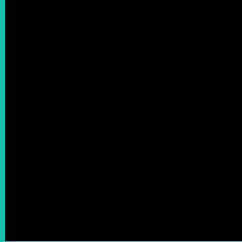
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

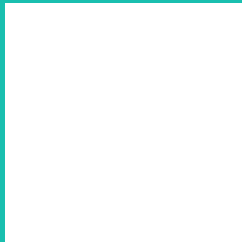
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5634, 0.2342, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 40.5634, 0.2342, 0.3549.

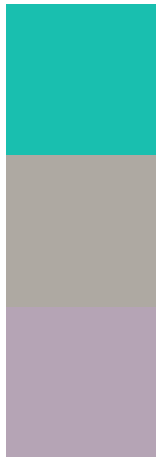


This preview shows how white text looks on a background with the Yxy color 40.5634, 0.2342, 0.3549.

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

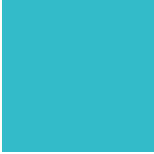
40.5634, 0.2342, 0.3549

Protanopia

39.9832, 0.3233, 0.3387

Deuteranopia

39.7109, 0.3138, 0.3064



Tritanopia

40.5350, 0.2252, 0.3059

Trichromacy



Original Color

40.5634, 0.2342, 0.3549



Protanomaly

38.2274, 0.2743, 0.3444



Deuteranomaly

37.8119, 0.2684, 0.3213



Tritanomaly

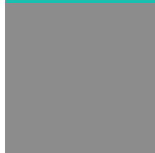
40.2645, 0.2279, 0.3225

Monochromacy



Original Color

40.5634, 0.2342, 0.3549



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.6929, 0.2649, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5634, 0.2342, 0.3549 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(25, 191, 175)` looks like.

```
.text, #text, p{  
    color:rgb(25, 191, 175)  
}
```

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(25, 191, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 191, 175) }
```

Border

The CSS property to change the border of an element to Yxy 40.5634, 0.2342, 0.3549 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(25, 191, 175) }
```

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

```
.border{ border-color:rgb(25, 191, 175) }
```

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

Here you see how a box with a 4 pixel rgb(25, 191, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 191, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 191, 175);  
box-shadow:4px 4px 4px 4px rgb(25, 191,  
175) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 40.5634, 0.2342, 0.3549$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 191, 175) }
```

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

```
.background{ background-color: rgb(25, 191,  
175) }
```

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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