

Converting Colors

$Y_{xy}(40.3417, 0.2358, 0.3526)$

Have a look what the booklet for
Yxy(40.3417, 0.2358, 0.3526)
contains.

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Color

Yxy(40.3341, 0.2360, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	26BEAF
RGB	38, 190, 175
RGB Percent	15%, 75%, 69%
CMY	0.8508, 0.2549, 0.3138
CMYK	0.80, 0.00, 0.08, 0.25
HSL	174°, 67%, 45%
HSV	174°, 80%, 75%
XYZ	26.9503, 40.3341, 46.9118
YIQ	142.8420, -85.7770, -36.8890

Conversions

Conversions Part 2

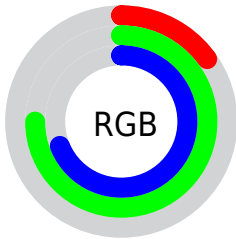
Format	Color
RYB	38, 118, 190
Decimal	2539183
CIELab	69.71, -40.94, -3.29
CIELCh	70, 41.075, 184.588
Yxy	40.3341, 0.2360, 0.3532
Android (android.graphics.Color)	4280729263 (0xFF26BEAF)
YUV	142.8420, 15.8539, -91.9464
Hunter-Lab	63.5091, -35.3939, 0.6611

Details

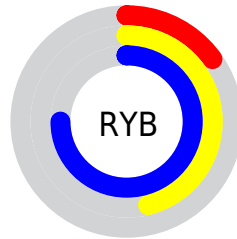
The Yxy color **40.3341, 0.2360, 0.3532** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **12.5952, 0.5674, 0.3165**, and the grayscale version is **27.3699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6142, 0.2501, 0.3495**, and **19.0384, 0.2328, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **39.9882, 0.2339, 0.3566**, and if you desaturate by 10%, it is **40.8683, 0.2399, 0.3498**.

Distribution



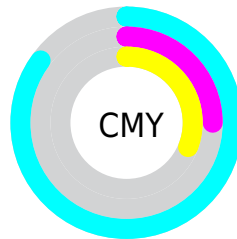
- Red (15%)
- Green (75%)
- Blue (69%)



- Red (15%)
- Yellow (46%)
- Blue (75%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)





- Cyan (85%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3341, 0.2360, 0.3532 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 40.3341, 0.2360, 0.3532 by changing the saturation by 10% instead.


 40.3341, 0.2360,
0.3532


 40.3341, 0.2360,
0.3532


347.5297, 0.2747,
0.3414

 27.7991, 0.2263,
0.3560


 75.6720, 0.2501,
0.3490


 18.1743, 0.2139,
0.3595


 99.2437, 0.2554,
0.3474


 11.0752, 0.1975,
0.3640


 127.2632, 0.2598,
0.3460

 6.1174, 0.1748,
0.3699

 160.1147, 0.2636,
0.3448

 2.9166, 0.1419,
0.3776

 198.1827, 0.2669,
0.3438

 1.0884, 0.0085,
0.4220

241.8516, 0.2698,

 0.0000, 0.0000,

0.3429

0.0000

291.5059, 0.2724,
0.3421

■ 40.3341, 0.2360,
0.3532

■ 40.3341, 0.2360,
0.3532

■ 39.9882, 0.2339,
0.3566

■ 40.8683, 0.2399,
0.3498

■ 39.7773, 0.2333,
0.3599

■ 41.6110, 0.2457,
0.3465

■ 39.7767, 0.2333,
0.3599

■ 42.5845, 0.2534,
0.3432

■ 43.8073, 0.2627,
0.3400

■ 45.2957, 0.2736,
0.3369

■ 47.0650, 0.2858,
0.3341

■ 49.1291, 0.2989,
0.3314

■ 51.5009, 0.3128,
0.3290

■ 54.1928, 0.3270,
0.3268

Harmonies

Analogous

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



40.3341, 0.2841, 0.4106



40.3341, 0.2360, 0.3532



40.3341, 0.2094, 0.2939

Triad

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



40.3341, 0.2360, 0.3532



40.3341, 0.2744, 0.2402



40.3341, 0.4286, 0.3921

Complementary

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



40.3341, 0.2360, 0.3532



12.5952, 0.5674, 0.3165

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.



40.3341, 0.4282, 0.3464



40.3341, 0.2360, 0.3532



40.3341, 0.3339, 0.2636

Square

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



40.3341, 0.2360, 0.3532



40.3341, 0.2300, 0.2356



40.3341, 0.3923, 0.3011



40.3341, 0.3960, 0.4280

Rectangle

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



40.3341, 0.2360, 0.3532



40.3341, 0.2055, 0.2640



40.3341, 0.3923, 0.3011



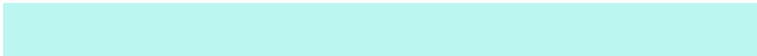
40.3341, 0.4325, 0.3773

Sweetspot

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



40.3356, 0.2360, 0.3532



83.8051, 0.2803, 0.3353



37.7321, 0.3066, 0.5714



18.1538, 0.2759, 0.3363



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.



40.3356, 0.2360, 0.3532



72.1747, 0.2335, 0.3591



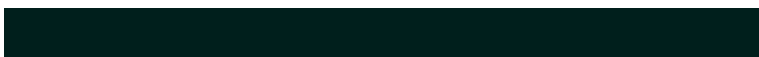
19.8907, 0.2009, 0.2223



10.7928, 0.2998, 0.3313



26.4550, 0.2332, 0.3595



1.0410, 0.2310, 0.3514

Inverse Universe

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



12.5952, 0.5674, 0.3165



20.1645, 0.6235, 0.3234



19.9803, 0.5172, 0.3969



9.5513, 0.3273, 0.3268



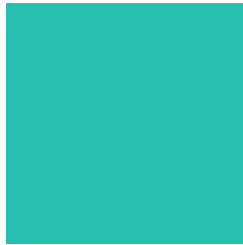
7.3156, 0.6270, 0.3228



0.2918, 0.5845, 0.2994

Previews

White Background



This preview shows how the Yxy color 40.3341, 0.2360, 0.3532 looks on a white background.

Color Contrast Check

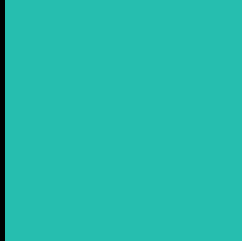
Large Text (above 18pt) WCAG AA × Fail

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 40.3341, 0.2360, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

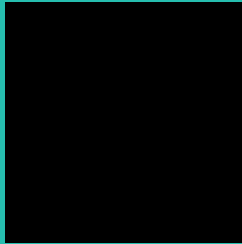
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

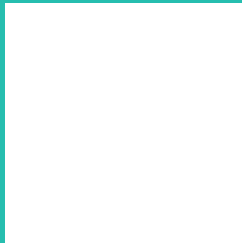
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3341, 0.2360, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 40.3341, 0.2360, 0.3532.

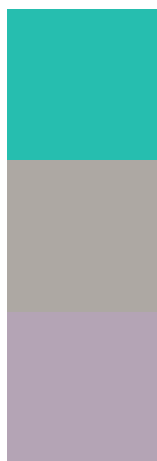


This preview shows how white text looks on a background with the Yxy color 40.3341, 0.2360, 0.3532.

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

40.3341, 0.2360, 0.3532

Protanopia

39.5338, 0.3216, 0.3360

Deuteranopia

39.5904, 0.3129, 0.3063



Tritanopia

40.2344, 0.2269, 0.3059

Trichromacy



Original Color

40.3341, 0.2360, 0.3532



Protanomaly

38.1258, 0.2770, 0.3428



Deuteranomaly

37.7310, 0.2711, 0.3199



Tritanomaly

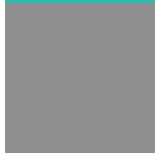
40.0502, 0.2296, 0.3209

Monochromacy



Original Color

40.3341, 0.2360, 0.3532



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.5114, 0.2688, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3341, 0.2360, 0.3532 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(38, 190, 175)` looks like.

```
.text, #text, p{  
  color:rgb(38, 190, 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(38, 190, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 190, 175) }
```

Border

The CSS property to change the border of an element to Yxy 40.3341, 0.2360, 0.3532 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(38, 190, 175) }
```

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

```
.border{ border-color:rgb(38, 190, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 190, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 190, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 190, 175);  
box-shadow:4px 4px 4px 4px rgb(38, 190,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3341, 0.2360, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 190, 175) }
```

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

```
.background{ background-color: rgb(38, 190,  
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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