

Converting Colors

$Yxy(34.6734, 0.2317, 0.3440)$

Have a look what the booklet for
Yxy(34.6734, 0.2317, 0.3440)
contains.

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Color

Yxy(34.5285, 0.2312, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	1AB1A9
RGB	26, 177, 169
RGB Percent	10%, 69%, 66%
CMY	0.8984, 0.3059, 0.3372
CMYK	0.85, 0.00, 0.05, 0.31
HSL	177°, 74%, 40%
HSV	177°, 85%, 69%
XYZ	23.3080, 34.5285, 42.9766
YIQ	130.9390, -87.4280, -34.5000

Conversions

Conversions Part 2

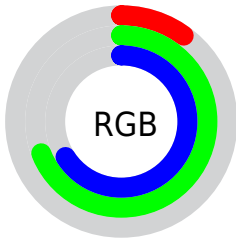
Format	Color
R _Y B	26, 104, 177
Decimal	1749417
CIE Lab	65.38, -37.81, -6.40
CIE LCh	65, 38.351, 189.603
Yxy	34.5285, 0.2312, 0.3425
Android (android.graphics.Color)	4279939497 (0xFF1AB1A9)
YUV	130.9390, 18.7641, -92.0315
Hunter-Lab	58.7610, -32.0282, -2.2309

Details

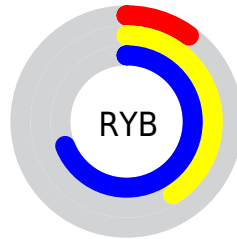
The Yxy color **34.5285, 0.2312, 0.3425** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.1968, 0.5970, 0.3240**, and the grayscale version is **22.6190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6027, 0.2468, 0.3403**, and **15.6997, 0.2293, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **34.3294, 0.2296, 0.3442**, and if you desaturate by 10%, it is **34.8734, 0.2345, 0.3408**.

Distribution



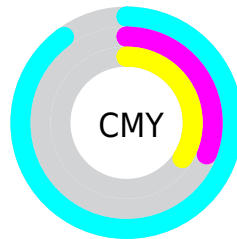
- Red (10%)
- Green (69%)
- Blue (66%)



- Red (10%)
- Yellow (41%)
- Blue (69%)



- Cyan (85%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (90%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5285, 0.2312, 0.3425 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 34.5285, 0.2312, 0.3425 by changing the saturation by 10% instead.


 34.5285, 0.2312,
0.3425


 34.5285, 0.2312,
0.3425


322.4822, 0.2731,
0.3364


 23.2999, 0.2205,
0.3438


 66.7547, 0.2466,
0.3405

 14.8151, 0.2066,
0.3452


 88.5211, 0.2524,
0.3396

 8.6897, 0.1879,
0.3467


 114.5688, 0.2572,
0.3389

 4.5394, 0.1618,
0.3480

 145.2824, 0.2613,
0.3383

 1.9796, 0.1222,
0.3480

 181.0461, 0.2649,
0.3377

 0.5956, 0.0000,
0.3509

222.2444, 0.2680,

 0.0000, 0.0000,

0.3372

0.0000

269.2616, 0.2707,
0.3368

■ 34.5285, 0.2312,
0.3425

■ 34.5285, 0.2312,
0.3425

■ 34.3294, 0.2296,
0.3442

■ 34.8734, 0.2345,
0.3408

■ 34.2604, 0.2292,
0.3450

■ 35.3840, 0.2396,
0.3390

■ 36.0804, 0.2466,
0.3373

■ 36.9792, 0.2554,
0.3356

■ 38.0948, 0.2659,
0.3340

■ 39.4408, 0.2778,
0.3324

■ 41.0291, 0.2909,
0.3310

■ 42.8712, 0.3049,
0.3297

■ 44.9778, 0.3196,
0.3285

Harmonies

Analogous

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



34.5285, 0.2756, 0.4010



34.5285, 0.2312, 0.3425



34.5285, 0.2090, 0.2863

Triad

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



34.5285, 0.2312, 0.3425



34.5285, 0.2841, 0.2442



34.5285, 0.4234, 0.3982

Complementary

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



34.5285, 0.2312, 0.3425



10.1968, 0.5970, 0.3240

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.



34.5285, 0.4289, 0.3540



34.5285, 0.2312, 0.3425



34.5285, 0.3438, 0.2700

Square

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



34.5285, 0.2312, 0.3425



34.5285, 0.2372, 0.2363



34.5285, 0.3990, 0.3088



34.5285, 0.3870, 0.4303

Rectangle

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



34.5285, 0.2312, 0.3425



34.5285, 0.2078, 0.2593



34.5285, 0.3990, 0.3088



34.5285, 0.4291, 0.3842

Sweetspot

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



34.5298, 0.2312, 0.3425



70.3527, 0.2764, 0.3326



31.8952, 0.3037, 0.5822



15.0637, 0.2723, 0.3331



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.5298, 0.2312, 0.3425



61.3440, 0.2293, 0.3453



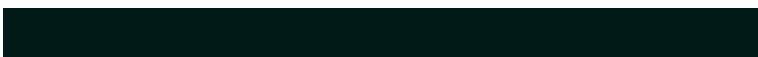
14.8766, 0.1940, 0.2046



9.6236, 0.2993, 0.3302



24.8238, 0.2291, 0.3448



0.7834, 0.2278, 0.3400

Inverse Universe

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



10.1968, 0.5970, 0.3240



16.7673, 0.6358, 0.3276



16.9687, 0.5242, 0.4027



8.5123, 0.3279, 0.3278



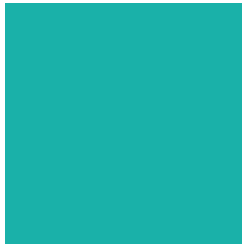
6.7900, 0.6331, 0.3261



0.2160, 0.6053, 0.3108

Previews

White Background



This preview shows how the Yxy color 34.5285, 0.2312, 0.3425 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 34.5285, 0.2312, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

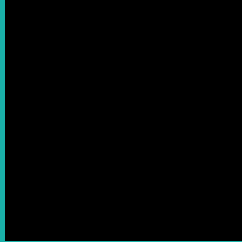
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

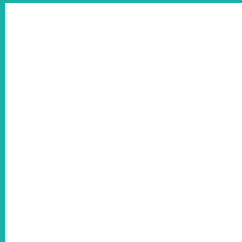
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.5285, 0.2312, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 34.5285, 0.2312, 0.3425.

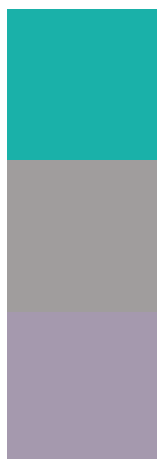


This preview shows how white text looks on a background with the Yxy color 34.5285, 0.2312, 0.3425.

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

34.5285, 0.2312, 0.3425

Protanopia

34.0218, 0.3156, 0.3290

Deuteranopia

33.8378, 0.3054, 0.2991



Tritanopia

34.4608, 0.2245, 0.3059

Trichromacy



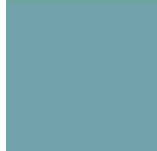
Original Color

34.5285, 0.2312, 0.3425



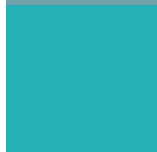
Protanomaly

32.5036, 0.2697, 0.3338



Deuteranomaly

32.3966, 0.2637, 0.3129



Tritanomaly

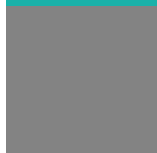
34.4082, 0.2267, 0.3188

Monochromacy



Original Color

34.5285, 0.2312, 0.3425



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.5513, 0.2645, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5285, 0.2312, 0.3425 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(26, 177, 169)` looks like.

```
.text, #text, p{  
    color:rgb(26, 177, 169)  
}
```

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(26, 177, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 177, 169) }
```

Border

The CSS property to change the border of an element to Yxy 34.5285, 0.2312, 0.3425 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(26, 177, 169) }
```

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

```
.border{ border-color:rgb(26, 177, 169) }
```

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

Here you see how a box with a 4 pixel rgb(26, 177, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 177, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 177, 169);  
box-shadow:4px 4px 4px 4px rgb(26, 177,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5285, 0.2312, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 177, 169) }
```

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

```
.background{ background-color: rgb(26, 177,  
169) }
```

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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