

Converting Colors

$Y_{xy}(34.0012, 0.2267, 0.3359)$

Have a look what the booklet for
Yxy(34.0012, 0.2267, 0.3359)
contains.

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Color

Yxy(34.0357, 0.2267, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	02B0AC
RGB	2, 176, 172
RGB Percent	1%, 69%, 67%
CMY	0.9932, 0.3098, 0.3255
CMYK	0.99, 0.00, 0.02, 0.31
HSL	179°, 98%, 35%
HSV	179°, 99%, 69%
XYZ	22.9913, 34.0357, 44.3904
YIQ	123.5180, -102.4200, -38.1320

Conversions

Conversions Part 2

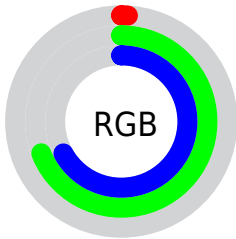
Format	Color
RYB	2, 90, 176
Decimal	176300
CIELab	64.99, -37.56, -8.66
CIElCh	65, 38.545, 192.984
Yxy	34.0357, 0.2267, 0.3356
Android (android.graphics.Color)	4278366380 (0xFF02B0AC)
YUV	123.5180, 23.9016, -106.5713
Hunter-Lab	58.3401, -31.7499, -4.2751

Details

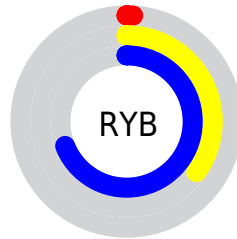
The Yxy color **34.0357, 0.2267, 0.3356** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2794, 0.6357, 0.3286**, and the grayscale version is **19.9038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8559, 0.2431, 0.3352**, and **15.5220, 0.2266, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **34.0242, 0.2266, 0.3357**, and if you desaturate by 10%, it is **34.1831, 0.2281, 0.3349**.

Distribution



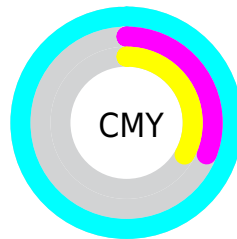
- Red (1%)
- Green (69%)
- Blue (67%)



- Red (1%)
- Yellow (35%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)




- Cyan (99%)
- Magenta (31%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0357, 0.2267, 0.3356 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 34.0357, 0.2267, 0.3356 by changing the saturation by 10% instead.


 34.0357, 0.2267,
0.3356


 34.0357, 0.2267,
0.3356


 320.2912, 0.2708,
0.3333


 22.9210, 0.2154,
0.3358


 65.9892, 0.2429,
0.3351

 14.5352, 0.2009,
0.3357


 87.5968, 0.2490,
0.3348

 8.4938, 0.1815,
0.3350

 113.4708, 0.2541,
0.3345

 4.4125, 0.1545,
0.3329

 143.9957, 0.2584,
0.3342

 1.9069, 0.1134,
0.3273

 179.5557, 0.2621,
0.3340

 0.5525, 0.0000,
0.3103

 220.5354, 0.2654,

 0.0000, 0.0000,

0.3337

0.0000

267.3191, 0.2683,
0.3335

■ 34.0357, 0.2267,
0.3356

■ 34.0357, 0.2267,
0.3356

■ 34.0242, 0.2266,
0.3357

■ 34.1831, 0.2281,
0.3349

■ 34.4490, 0.2309,
0.3342

■ 34.8717, 0.2356,
0.3334

■ 35.4711, 0.2421,
0.3327

■ 36.2643, 0.2504,
0.3320

■ 37.2662, 0.2606,
0.3313

■ 38.4905, 0.2723,
0.3306

■ 39.9494, 0.2853,
0.3300

■ 41.6545, 0.2994,
0.3295

Harmonies

Analogous

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



34.0357, 0.2693, 0.3959



34.0357, 0.2267, 0.3356



34.0357, 0.2071, 0.2805

Triad

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



34.0357, 0.2267, 0.3356



34.0357, 0.2902, 0.2456



34.0357, 0.4217, 0.4033

Complementary

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



34.0357, 0.2267, 0.3356



9.2794, 0.6357, 0.3286

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.



34.0357, 0.4312, 0.3594



34.0357, 0.2267, 0.3356



34.0357, 0.3510, 0.2733

Square

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



34.0357, 0.2267, 0.3356



34.0357, 0.2408, 0.2354



34.0357, 0.4048, 0.3135



34.0357, 0.3821, 0.4335

Rectangle

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



34.0357, 0.2267, 0.3356



34.0357, 0.2078, 0.2551



34.0357, 0.4048, 0.3135



34.0357, 0.4287, 0.3895

Sweetspot

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



34.0370, 0.2267, 0.3356



69.4538, 0.2704, 0.3307



31.0994, 0.3008, 0.5986



14.8487, 0.2655, 0.3310



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.



34.0370, 0.2267, 0.3356



61.7113, 0.2266, 0.3358



11.2717, 0.1811, 0.1713



9.6281, 0.2989, 0.3295



24.9685, 0.2266, 0.3356



0.7867, 0.2260, 0.3336

Inverse Universe

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



9.2794, 0.6357, 0.3286



16.7519, 0.6382, 0.3290



15.4285, 0.5477, 0.4022



8.5083, 0.3284, 0.3285



6.7800, 0.6370, 0.3283



0.2144, 0.6244, 0.3214

Previews

White Background



This preview shows how the Yxy color 34.0357, 0.2267, 0.3356 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 34.0357, 0.2267, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

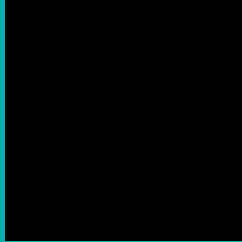
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

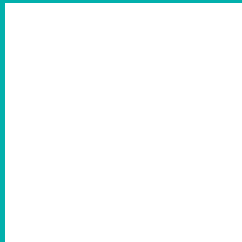
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0357, 0.2267, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 34.0357, 0.2267, 0.3356.

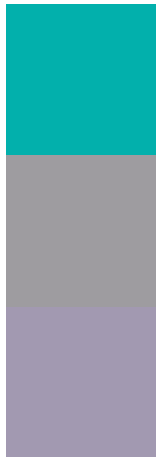


This preview shows how white text looks on a background with the Yxy color 34.0357, 0.2267, 0.3356.

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

34.0421, 0.2267, 0.3356

Protanopia

33.5841, 0.3110, 0.3231

Deuteranopia

33.6382, 0.2998, 0.2947



Tritanopia

34.2603, 0.2223, 0.3058

Trichromacy



Original Color

34.0421, 0.2267, 0.3356



Protanomaly

31.6414, 0.2602, 0.3272



Deuteranomaly

31.5279, 0.2543, 0.3061



Tritanomaly

34.2195, 0.2235, 0.3170

Monochromacy



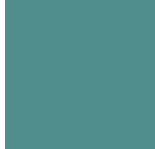
Original Color

34.0421, 0.2267, 0.3356



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.9314, 0.2554, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0357, 0.2267, 0.3356 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(2, 176, 172)` looks like.

```
.text, #text, p{  
  color:rgb(2, 176, 172)  
}
```

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(2, 176, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 176, 172) }
```

Border

The CSS property to change the border of an element to Yxy 34.0357, 0.2267, 0.3356 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(2, 176, 172) }
```

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

```
.border{ border-color:rgb(2, 176, 172) }
```

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

Here you see how a box with a 4 pixel rgb(2, 176, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 176, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 176, 172);  
box-shadow:4px 4px 4px 4px rgb(2, 176,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0357, 0.2267, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 176, 172) }
```

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

```
.background{ background-color: rgb(2, 176,  
172) }
```

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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