

Converting Colors

$Y_{xy}(34.0642, 0.2338, 0.3558)$

Have a look what the booklet for
Yxy(34.0642, 0.2338, 0.3558)
contains.

Yxy(34.1461, 0.2342, 0.3569)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.1461, 0.2342, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	12B1A1
RGB	18, 177, 161
RGB Percent	7%, 69%, 63%
CMY	0.9284, 0.3059, 0.3687
CMYK	0.90, 0.00, 0.09, 0.31
HSL	174°, 81%, 38%
HSV	174°, 90%, 69%
XYZ	22.4069, 34.1461, 39.1212
YIQ	127.6350, -89.6280, -38.6840

Conversions

Conversions Part 2

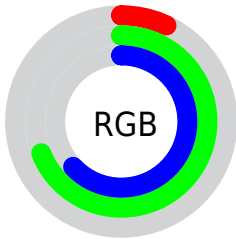
Format	Color
RYB	18, 102, 177
Decimal	1225121
CIELab	65.08, -40.60, -2.39
CIELCh	65, 40.670, 183.373
Yxy	34.1461, 0.2342, 0.3569
Android (android.graphics.Color)	4279415201 (0xFF12B1A1)
YUV	127.6350, 16.4489, -96.1499
Hunter-Lab	58.4347, -33.8145, 1.2105

Details

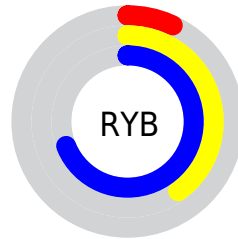
The Yxy color **34.1461, 0.2342, 0.3569** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9049, 0.6012, 0.3194**, and the grayscale version is **21.4456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9450, 0.2489, 0.3508**, and **15.2917, 0.2336, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **33.9574, 0.2335, 0.3603**, and if you desaturate by 10%, it is **34.4540, 0.2364, 0.3535**.

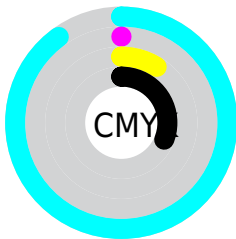
Distribution



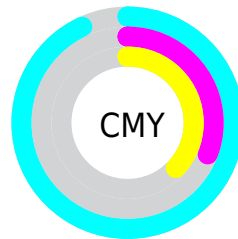
- Red (7%)
- Green (69%)
- Blue (63%)



- Red (7%)
- Yellow (40%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1461, 0.2342, 0.3569 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 34.1461, 0.2342, 0.3569 by changing the saturation by 10% instead.


 34.1461, 0.2342,
0.3569


 34.1461, 0.2342,
0.3569


320.7830, 0.2749,
0.3428

 23.0059, 0.2236,
0.3604


 66.1608, 0.2493,
0.3517

 14.5978, 0.2099,
0.3650


 87.8041, 0.2549,
0.3498


 8.5376, 0.1913,
0.3710


 113.7171, 0.2595,
0.3482

 4.4408, 0.1649,
0.3791

 144.2843, 0.2635,
0.3468

 1.9231, 0.1214,
0.3920

 179.8901, 0.2670,
0.3456

 0.5622, 0.0000,
0.4190

220.9189, 0.2699,

 0.0000, 0.0000,

0.3445

0.0000

267.7551, 0.2726,
0.3436

■ 34.1461, 0.2342,
0.3569

■ 34.1461, 0.2342,
0.3569

■ 33.9574, 0.2335,
0.3603

■ 34.4540, 0.2364,
0.3535

■ 33.9518, 0.2335,
0.3604

■ 34.9189, 0.2403,
0.3500

■ 35.5624, 0.2462,
0.3466

■ 36.4021, 0.2539,
0.3433

■ 37.4532, 0.2633,
0.3400

■ 38.7296, 0.2742,
0.3370

■ 40.2440, 0.2863,
0.3341

■ 42.0079, 0.2994,
0.3314

■ 44.0324, 0.3132,
0.3289

Harmonies

Analogous

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



34.1461, 0.2849, 0.4167



34.1461, 0.2342, 0.3569



34.1461, 0.2058, 0.2942

Triad

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



34.1461, 0.2342, 0.3569



34.1461, 0.2703, 0.2361



34.1461, 0.4345, 0.3924

Complementary

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



34.1461, 0.2342, 0.3569



9.9049, 0.6012, 0.3194

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.



34.1461, 0.4328, 0.3447



34.1461, 0.2342, 0.3569



34.1461, 0.3321, 0.2596

Square

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



34.1461, 0.2342, 0.3569



34.1461, 0.2251, 0.2320



34.1461, 0.3939, 0.2980



34.1461, 0.4013, 0.4310

Rectangle

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



34.1461, 0.2342, 0.3569



34.1461, 0.2011, 0.2625



34.1461, 0.3939, 0.2980



34.1461, 0.4382, 0.3769

Sweetspot

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



34.1474, 0.2342, 0.3569



69.9308, 0.2768, 0.3363



31.8773, 0.3053, 0.5868



14.9742, 0.2730, 0.3373



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.



34.1474, 0.2342, 0.3569



60.7890, 0.2336, 0.3610



15.8300, 0.1949, 0.2134



9.6165, 0.2999, 0.3313



24.6049, 0.2333, 0.3600



0.7784, 0.2307, 0.3505

Inverse Universe

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



9.9049, 0.6012, 0.3194



16.8028, 0.6302, 0.3245



14.9989, 0.5479, 0.3905



8.5187, 0.3272, 0.3267



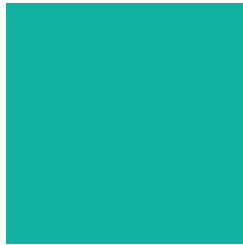
6.8080, 0.6263, 0.3224



0.2187, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 34.1461, 0.2342, 0.3569 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 34.1461, 0.2342, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

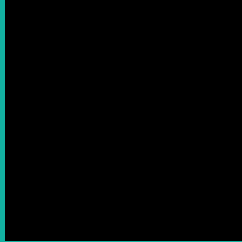
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1461, 0.2342, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 34.1461, 0.2342, 0.3569.

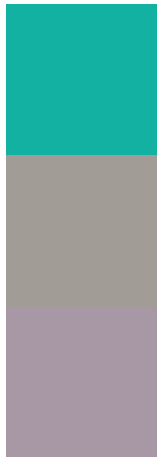


This preview shows how white text looks on a background with the Yxy color 34.1461, 0.2342, 0.3569.

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

34.1461, 0.2342, 0.3569

Protanopia

33.5239, 0.3242, 0.3395

Deuteranopia

33.5345, 0.3156, 0.3090



Tritanopia

34.0793, 0.2251, 0.3058

Trichromacy



Original Color

34.1461, 0.2342, 0.3569



Protanomaly

32.1020, 0.2741, 0.3473



Deuteranomaly

31.7475, 0.2693, 0.3240



Tritanomaly

33.8798, 0.2275, 0.3220

Monochromacy



Original Color

34.1461, 0.2342, 0.3569



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.5259, 0.2640, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1461, 0.2342, 0.3569 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(18, 177, 161)` looks like.

```
.text, #text, p{  
    color:rgb(18, 177, 161)  
}
```

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(18, 177, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 177, 161) }
```

Border

The CSS property to change the border of an element to Yxy 34.1461, 0.2342, 0.3569 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(18, 177, 161) }
```

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

```
.border{ border-color:rgb(18, 177, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 177, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 177, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 177, 161);  
box-shadow:4px 4px 4px 4px rgb(18, 177,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1461, 0.2342, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 177, 161) }
```

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

```
.background{ background-color: rgb(18, 177,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor