

Converting Colors

$Yxy(34.2673, 0.2420, 0.3341)$

Have a look what the booklet for
Yxy(34.2673, 0.2420, 0.3341)
contains.

Yxy(34.0915, 0.2421, 0.3338)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0915, 0.2421, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	46ADAA
RGB	70, 173, 170
RGB Percent	27%, 68%, 67%
CMY	0.7255, 0.3216, 0.3333
CMYK	0.60, 0.00, 0.02, 0.32
HSL	178°, 42%, 48%
HSV	178°, 60%, 68%
XYZ	24.7260, 34.0915, 43.3140
YIQ	141.8610, -60.4250, -22.7690

Conversions

Conversions Part 2

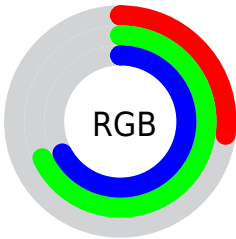
Format	Color
RYB	70, 122, 173
Decimal	4631978
CIELab	65.04, -30.10, -7.38
CIElCh	65, 30.995, 193.766
Yxy	34.0915, 0.2421, 0.3338
Android (android.graphics.Color)	4282822058 (0xFF46ADAA)
YUV	141.8610, 13.8725, -63.0221
Hunter-Lab	58.3879, -26.5879, -3.1116

Details

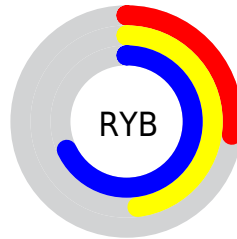
The Yxy color **34.0915, 0.2421, 0.3338** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7462, 0.4883, 0.3254**, and the grayscale version is **26.9558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1420, 0.2557, 0.3338**, and **14.7409, 0.2260, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **33.5205, 0.2357, 0.3347**, and if you desaturate by 10%, it is **34.8505, 0.2503, 0.3329**.

Distribution



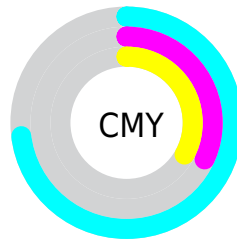
- Red (27%)
- Green (68%)
- Blue (67%)



- Red (27%)
- Yellow (48%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)





- Cyan (73%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0915, 0.2421, 0.3338 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 34.0915, 0.2421, 0.3338 by changing the saturation by 10% instead.

 34.0915, 0.2421,
0.3338


 34.0915, 0.2421,
0.3338


320.5399, 0.2785,
0.3321

 22.9639, 0.2327,
0.3340


 66.0759, 0.2556,
0.3334


 14.5669, 0.2205,
0.3340


 87.7016, 0.2606,
0.3331


 8.5160, 0.2039,
0.3336


 113.5953, 0.2648,
0.3329

 4.4268, 0.1805,
0.3323

 144.1416, 0.2683,
0.3327

 1.9151, 0.1452,
0.3283

 179.7248, 0.2714,
0.3325

 0.5574, 0.0000,
0.3301

220.7293, 0.2741,

 0.0000, 0.0000,

0.3324

0.0000

267.5395, 0.2764,
0.3322

■ 34.0915, 0.2421,
0.3338

■ 34.0915, 0.2421,
0.3338

■ 33.5205, 0.2357,
0.3347

■ 34.8505, 0.2503,
0.3329

■ 33.1171, 0.2312,
0.3357

■ 35.8081, 0.2603,
0.3320

■ 32.8635, 0.2285,
0.3366

■ 36.9785, 0.2719,
0.3312

■ 32.7203, 0.2272,
0.3375

■ 38.3737, 0.2847,
0.3304

■ 32.7143, 0.2271,
0.3375

■ 40.0048, 0.2987,
0.3296

■ 41.8821, 0.3134,
0.3290

■ 44.0153, 0.3286,
0.3284

■ 46.4136, 0.3441,
0.3278

■ 49.0857, 0.3595,
0.3274

Harmonies

Analogous

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



34.0915, 0.2771, 0.3808



34.0915, 0.2421, 0.3338



34.0915, 0.2258, 0.2898

Triad

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



34.0915, 0.2421, 0.3338



34.0915, 0.2962, 0.2606



34.0915, 0.4006, 0.3916

Complementary

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



34.0915, 0.2421, 0.3338



13.7462, 0.4883, 0.3254

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.



34.0915, 0.4082, 0.3564



34.0915, 0.2421, 0.3338



34.0915, 0.3452, 0.2842

Square

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



34.0915, 0.2421, 0.3338



34.0915, 0.2551, 0.2521



34.0915, 0.3875, 0.3181



34.0915, 0.3688, 0.4137

Rectangle

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



34.0915, 0.2421, 0.3338



34.0915, 0.2266, 0.2688



34.0915, 0.3875, 0.3181



34.0915, 0.4062, 0.3808

Sweetspot

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



34.0928, 0.2421, 0.3338



69.0580, 0.2864, 0.3303



31.7636, 0.3060, 0.5162



14.8421, 0.2826, 0.3305



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.0928, 0.2421, 0.3338



59.8086, 0.2343, 0.3350



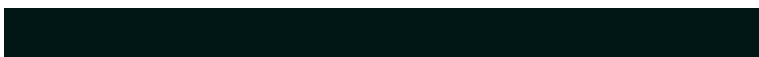
18.9705, 0.2212, 0.2412



9.0680, 0.2990, 0.3296



24.0346, 0.2271, 0.3374



0.6698, 0.2263, 0.3346

Inverse Universe

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



13.7462, 0.4883, 0.3254



20.1390, 0.5475, 0.3257



22.3000, 0.4440, 0.3988



8.0190, 0.3282, 0.3284



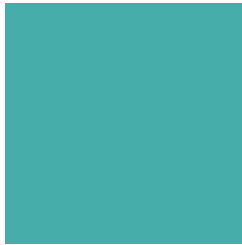
6.5364, 0.6362, 0.3278



0.1830, 0.6193, 0.3186

Previews

White Background



This preview shows how the Yxy color 34.0915, 0.2421, 0.3338 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 34.0915, 0.2421, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

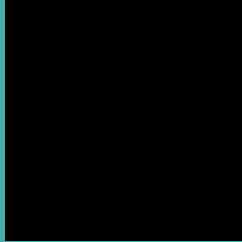
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

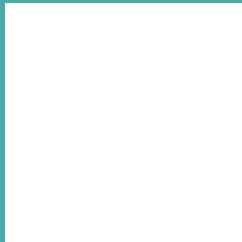
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0915, 0.2421, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 34.0915, 0.2421, 0.3338.

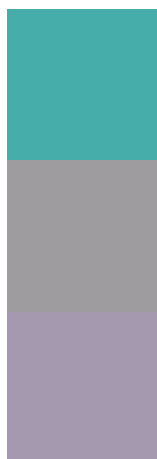


This preview shows how white text looks on a background with the Yxy color 34.0915, 0.2421, 0.3338.

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

34.0915, 0.2421, 0.3338

Protanopia

33.6859, 0.3120, 0.3231

Deuteranopia

33.7310, 0.3044, 0.2990



Tritanopia

34.1651, 0.2357, 0.3062

Trichromacy



Original Color

34.0915, 0.2421, 0.3338



Protanomaly

33.0330, 0.2798, 0.3257



Deuteranomaly

32.9046, 0.2751, 0.3088



Tritanomaly

34.2562, 0.2379, 0.3157

Monochromacy



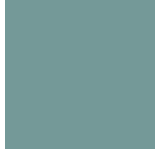
Original Color

34.0915, 0.2421, 0.3338



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.7625, 0.2789, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0915, 0.2421, 0.3338 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(70, 173, 170)` looks like.

```
.text, #text, p{  
  color:rgb(70, 173, 170)  
}
```

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(70, 173, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 173, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.0915, 0.2421, 0.3338 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(70, 173, 170) }
```

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

```
.border{ border-color:rgb(70, 173, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 173, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 173, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 173, 170);  
box-shadow:4px 4px 4px 4px rgb(70, 173,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0915, 0.2421, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 173, 170) }
```

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

```
.background{ background-color: rgb(70, 173,  
170) }
```

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