

Converting Colors

$Y_{xy}(35.8749, 0.2361, 0.3321)$

Have a look what the booklet for
Yxy(35.8749, 0.2361, 0.3321)
contains.

Yxy(35.8749, 0.2361, 0.3321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8749, 0.2361, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	3AB2B0
RGB	58, 178, 176
RGB Percent	23%, 70%, 69%
CMY	0.7721, 0.3020, 0.3099
CMYK	0.67, 0.00, 0.01, 0.30
HSL	179°, 51%, 46%
HSV	179°, 67%, 70%
XYZ	25.5046, 35.8749, 46.6449
YIQ	141.8920, -70.8780, -26.0620

Conversions

Conversions Part 2

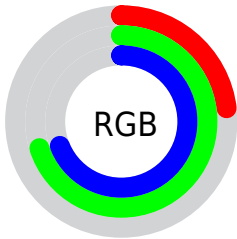
Format	Color
RYB	58, 119, 178
Decimal	3846832
CIELab	66.42, -32.78, -8.66
CIELCh	66, 33.901, 194.797
Yxy	35.8749, 0.2361, 0.3321
Android (android.graphics.Color)	4282036912 (0xFF3AB2B0)
YUV	141.8920, 16.8152, -73.5733
Hunter-Lab	59.8957, -28.8092, -4.2463

Details

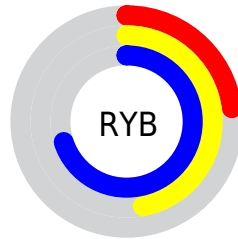
The Yxy color **35.8749, 0.2361, 0.3321** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.8289, 0.5279, 0.3272**, and the grayscale version is **26.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7368, 0.2500, 0.3313**, and **16.1225, 0.2253, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **35.4190, 0.2311, 0.3326**, and if you desaturate by 10%, it is **36.5180, 0.2430, 0.3316**.

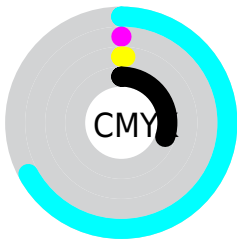
Distribution



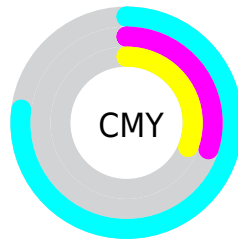
- Red (23%)
- Green (70%)
- Blue (69%)



- Red (23%)
- Yellow (47%)
- Blue (70%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (77%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8749, 0.2361, 0.3321 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 35.8749, 0.2361, 0.3321 by changing the saturation by 10% instead.


 35.8749, 0.2361,
0.3321


 35.8749, 0.2361,
0.3321


328.4134, 0.2752,
0.3315


 24.3376, 0.2262,
0.3319


 68.8389, 0.2504,
0.3321

 15.5842, 0.2134,
0.3315


 91.0345, 0.2558,
0.3320

 9.2304, 0.1962,
0.3304


 117.5515, 0.2603,
0.3319

 4.8918, 0.1724,
0.3280

 148.7745, 0.2641,
0.3318

 2.1839, 0.1374,
0.3222

 185.0877, 0.2675,
0.3317

 0.7112, 0.0000,
0.3303

226.8757, 0.2704,

 0.0000, 0.0000,

0.3317

0.0000

274.5228, 0.2729,
0.3316

■ 35.8749, 0.2361,
0.3321

■ 35.8749, 0.2361,
0.3321

■ 35.4190, 0.2311,
0.3326

■ 36.5180, 0.2430,
0.3316

■ 35.1263, 0.2280,
0.3332

■ 37.3614, 0.2517,
0.3311

■ 34.9685, 0.2264,
0.3337

■ 38.4215, 0.2621,
0.3306

■ 34.9350, 0.2261,
0.3338

■ 39.7121, 0.2741,
0.3301

■ 41.2457, 0.2874,
0.3297

■ 43.0341, 0.3017,
0.3293

■ 45.0880, 0.3168,
0.3289

■ 47.4179, 0.3323,
0.3286

■ 50.0333, 0.3480,
0.3283

Harmonies

Analogous

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



35.8749, 0.2727, 0.3834



35.8749, 0.2361, 0.3321



35.8749, 0.2197, 0.2853

Triad

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



35.8749, 0.2361, 0.3321



35.8749, 0.2965, 0.2567



35.8749, 0.4061, 0.3968

Complementary

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



35.8749, 0.2361, 0.3321



12.8289, 0.5279, 0.3272

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.



35.8749, 0.4156, 0.3592



35.8749, 0.2361, 0.3321



35.8749, 0.3493, 0.2822

Square

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



35.8749, 0.2361, 0.3321



35.8749, 0.2522, 0.2469



35.8749, 0.3944, 0.3184



35.8749, 0.3711, 0.4204

Rectangle

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



35.8749, 0.2361, 0.3321



35.8749, 0.2211, 0.2634



35.8749, 0.3944, 0.3184



35.8749, 0.4126, 0.3852

Sweetspot

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



35.8763, 0.2361, 0.3321



73.9202, 0.2833, 0.3298



33.1736, 0.3048, 0.5413



16.2041, 0.2796, 0.3299



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.8763, 0.2361, 0.3321



63.9299, 0.2293, 0.3329



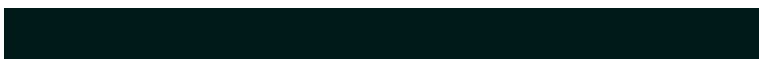
18.0477, 0.2107, 0.2270



9.6290, 0.2988, 0.3293



24.9983, 0.2261, 0.3338



0.7873, 0.2256, 0.3323

Inverse Universe

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



12.8289, 0.5279, 0.3272



19.1795, 0.5936, 0.3279



21.8182, 0.4668, 0.4050



8.5075, 0.3284, 0.3287



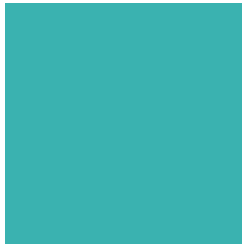
6.7779, 0.6378, 0.3287



0.2140, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 35.8749, 0.2361, 0.3321 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 35.8749, 0.2361, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

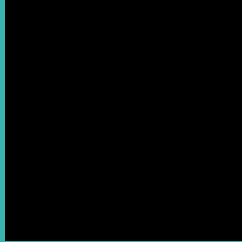
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

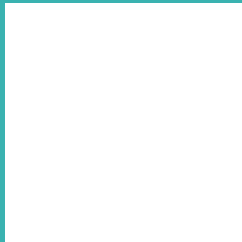
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8749, 0.2361, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 35.8749, 0.2361, 0.3321.

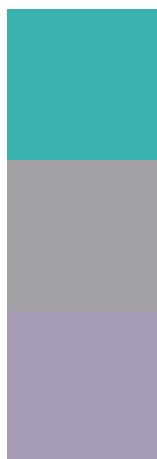


This preview shows how white text looks on a background with the Yxy color 35.8749, 0.2361, 0.3321.

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

35.8749, 0.2361, 0.3321

Protanopia

35.1943, 0.3103, 0.3203

Deuteranopia

35.2201, 0.3001, 0.2940



Tritanopia

35.9266, 0.2309, 0.3065

Trichromacy



Original Color

35.8749, 0.2361, 0.3321



Protanomaly

34.4221, 0.2742, 0.3242



Deuteranomaly

34.3176, 0.2689, 0.3060



Tritanomaly

36.0038, 0.2327, 0.3159

Monochromacy



Original Color

35.8749, 0.2361, 0.3321



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.1553, 0.2734, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8749, 0.2361, 0.3321 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(58, 178, 176)` looks like.

```
.text, #text, p{  
    color:rgb(58, 178, 176)  
}
```

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(58, 178, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 178, 176) }
```

Border

The CSS property to change the border of an element to Yxy 35.8749, 0.2361, 0.3321 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(58, 178, 176) }
```

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

```
.border{ border-color:rgb(58, 178, 176) }
```

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

Here you see how a box with a 4 pixel rgb(58, 178, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 178, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 178, 176);  
box-shadow:4px 4px 4px 4px rgb(58, 178,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8749, 0.2361, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 178, 176) }
```

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

```
.background{ background-color: rgb(58, 178,  
176) }
```

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