

Converting Colors

$Yxy(35.9717, 0.2462, 0.3494)$

Have a look what the booklet for
Yxy(35.9717, 0.2462, 0.3494)
contains.

Yxy(35.8961, 0.2462, 0.3489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8961, 0.2462, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	46B2A6
RGB	70, 178, 166
RGB Percent	27%, 70%, 65%
CMY	0.7253, 0.3020, 0.3491
CMYK	0.61, 0.00, 0.07, 0.30
HSL	173°, 44%, 49%
HSV	173°, 61%, 70%
XYZ	25.3300, 35.8961, 41.6576
YIQ	144.3400, -60.5160, -26.6280

Conversions

Conversions Part 2

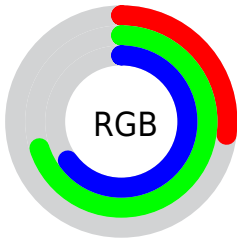
Format	Color
RYB	70, 127, 178
Decimal	4633254
CIELab	66.44, -33.58, -3.05
CIElCh	66, 33.723, 185.194
Yxy	35.8961, 0.2462, 0.3489
Android (android.graphics.Color)	4282823334 (0xFF46B2A6)
YUV	144.3400, 10.6784, -65.1962
Hunter-Lab	59.9134, -29.3828, 0.7152

Details

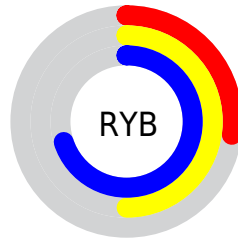
The Yxy color **35.8961, 0.2462, 0.3489** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.4627, 0.4782, 0.3133**, and the grayscale version is **28.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7332, 0.2586, 0.3450**, and **15.8821, 0.2321, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **35.2580, 0.2406, 0.3527**, and if you desaturate by 10%, it is **36.7343, 0.2537, 0.3452**.

Distribution



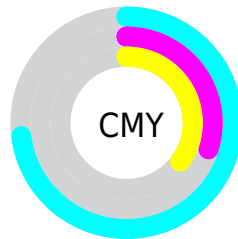
- Red (27%)
- Green (70%)
- Blue (65%)



- Red (27%)
- Yellow (50%)
- Blue (70%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)



- Cyan (73%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8961, 0.2462, 0.3489 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 35.8961, 0.2462, 0.3489 by changing the saturation by 10% instead.


 35.8961, 0.2462,
0.3489


 35.8961, 0.2462,
0.3489


328.5062, 0.2805,
0.3390

 24.3540, 0.2374,
0.3513


 68.8717, 0.2589,
0.3453


 15.5964, 0.2259,
0.3544


 91.0739, 0.2636,
0.3440


 9.2390, 0.2103,
0.3585


 117.5983, 0.2675,
0.3428

 4.8974, 0.1882,
0.3639

 148.8292, 0.2709,
0.3418

 2.1872, 0.1548,
0.3712

 185.1510, 0.2738,
0.3410

 0.7130, 0.0000,
0.4187

226.9482, 0.2763,

 0.0000, 0.0000,

0.3402

0.0000

274.6051, 0.2785,
0.3396

■ 35.8961, 0.2462,
0.3489

■ 35.8961, 0.2462,
0.3489

■ 35.2580, 0.2406,
0.3527

■ 36.7343, 0.2537,
0.3452

■ 34.7979, 0.2369,
0.3565

■ 37.7842, 0.2628,
0.3416

■ 34.4961, 0.2350,
0.3603

■ 39.0613, 0.2735,
0.3381

■ 34.3156, 0.2344,
0.3639

■ 40.5786, 0.2854,
0.3349

■ 42.3479, 0.2983,
0.3319

■ 44.3805, 0.3118,
0.3292

■ 46.6868, 0.3258,
0.3267

■ 49.2767, 0.3400,
0.3245

■ 52.1597, 0.3541,
0.3225

Harmonies

Analogous

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



35.8961, 0.2878, 0.3968



35.8961, 0.2462, 0.3489



35.8961, 0.2230, 0.2989

Triad

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



35.8961, 0.2462, 0.3489



35.8961, 0.2810, 0.2520



35.8961, 0.4119, 0.3854

Complementary

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



35.8961, 0.2462, 0.3489



14.4627, 0.4782, 0.3133

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.



35.8961, 0.4115, 0.3461



35.8961, 0.2462, 0.3489



35.8961, 0.3323, 0.2728

Square

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



35.8961, 0.2462, 0.3489



35.8961, 0.2418, 0.2480



35.8961, 0.3815, 0.3061



35.8961, 0.3841, 0.4147

Rectangle

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



35.8961, 0.2462, 0.3489



35.8961, 0.2196, 0.2731



35.8961, 0.3815, 0.3061



35.8961, 0.4152, 0.3729

Sweetspot

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



35.8975, 0.2462, 0.3489



74.2927, 0.2883, 0.3342



34.1070, 0.3117, 0.5170



16.2666, 0.2847, 0.3351



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.



35.8975, 0.2462, 0.3489



63.6000, 0.2390, 0.3541



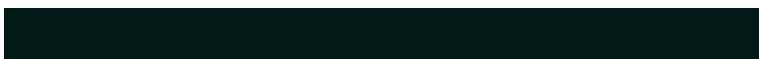
22.3025, 0.2232, 0.2559



9.6149, 0.3000, 0.3315



24.5588, 0.2343, 0.3634



0.7773, 0.2314, 0.3529

Inverse Universe

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



14.4627, 0.4782, 0.3133



21.2829, 0.5383, 0.3134



21.3719, 0.4567, 0.3874



8.5202, 0.3270, 0.3265



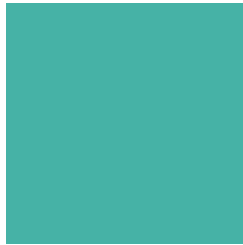
6.8129, 0.6244, 0.3214



0.2193, 0.5722, 0.2926

Previews

White Background



This preview shows how the Yxy color 35.8961, 0.2462, 0.3489 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 35.8961, 0.2462, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

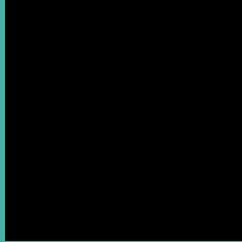
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

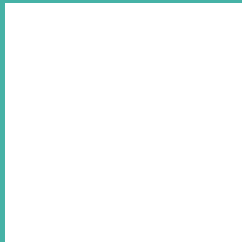
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8961, 0.2462, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 35.8961, 0.2462, 0.3489.

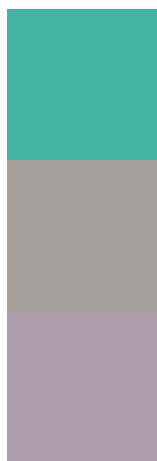


This preview shows how white text looks on a background with the Yxy color 35.8961, 0.2462, 0.3489.

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

35.8961, 0.2462, 0.3489

Protanopia

35.4344, 0.3202, 0.3348

Deuteranopia

35.3751, 0.3137, 0.3080



Tritanopia

35.9963, 0.2364, 0.3067

Trichromacy



Original Color

35.8961, 0.2462, 0.3489

Protanomaly

34.9213, 0.2859, 0.3399

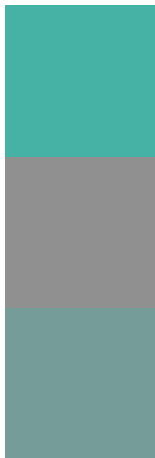
Deuteranomaly

34.4838, 0.2820, 0.3212

Tritanomaly

35.9234, 0.2397, 0.3207

Monochromacy



Original Color

35.8961, 0.2462, 0.3489

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.8258, 0.2801, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8961, 0.2462, 0.3489 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, 178, 166)` looks like.

```
.text, #text, p{  
    color:rgb(70, 178, 166)  
}
```

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, 178, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 178, 166) }
```

Border

The CSS property to change the border of an element to Yxy 35.8961, 0.2462, 0.3489 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, 178, 166) }
```

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

```
.border{ border-color:rgb(70, 178, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 178, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 178, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 178, 166);  
box-shadow:4px 4px 4px 4px rgb(70, 178,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8961, 0.2462, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 178, 166) }
```

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

```
.background{ background-color: rgb(70, 178,  
166) }
```

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