

Converting Colors

$Yxy(35.7305, 0.2468, 0.3382)$

Have a look what the booklet for
Yxy(35.7305, 0.2468, 0.3382)
contains.

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Color

Yxy(35.6106, 0.2462, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	4EB0AB
RGB	78, 176, 171
RGB Percent	31%, 69%, 67%
CMY	0.6944, 0.3098, 0.3293
CMYK	0.56, 0.00, 0.03, 0.31
HSL	177°, 39%, 50%
HSV	177°, 56%, 69%
XYZ	26.0158, 35.6106, 44.0430
YIQ	146.1280, -56.8030, -22.3310

Conversions

Conversions Part 2

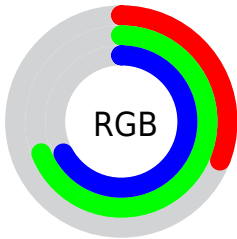
Format	Color
RYB	78, 128, 176
Decimal	5157035
CIELab	66.22, -29.76, -6.15
CIELCh	66, 30.390, 191.677
Yxy	35.6106, 0.2462, 0.3370
Android (android.graphics.Color)	4283347115 (0xFF4EB0AB)
YUV	146.1280, 12.2619, -59.7483
Hunter-Lab	59.6746, -26.6115, -1.9869

Details

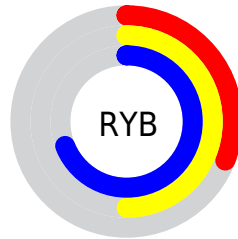
The Yxy color **35.6106, 0.2462, 0.3370** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2944, 0.4677, 0.3225**, and the grayscale version is **28.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4385, 0.2591, 0.3362**, and **15.4978, 0.2273, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **34.9321, 0.2393, 0.3387**, and if you desaturate by 10%, it is **36.4910, 0.2550, 0.3354**.

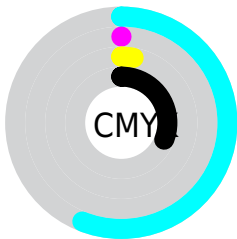
Distribution



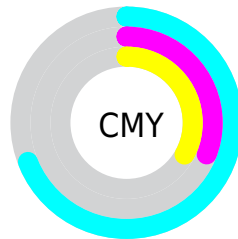
- Red (31%)
- Green (69%)
- Blue (67%)



- Red (31%)
- Yellow (50%)
- Blue (69%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6106, 0.2462, 0.3370 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 35.6106, 0.2462, 0.3370 by changing the saturation by 10% instead.


 35.6106, 0.2462,
0.3370


 35.6106, 0.2462,
0.3370


327.2553, 0.2804,
0.3335


 24.1336, 0.2374,
0.3377


 68.4306, 0.2588,
0.3359


 15.4328, 0.2260,
0.3384


 90.5424, 0.2635,
0.3354

 9.1237, 0.2106,
0.3391


 116.9680, 0.2674,
0.3350

 4.8219, 0.1889,
0.3396

 148.0916, 0.2708,
0.3346

 2.1432, 0.1561,
0.3386

184.2978, 0.2737,
0.3343

 0.6887, 0.0000,
0.3654

225.9709, 0.2762,

 0.0000, 0.0000,

0.3340

0.0000

273.4952, 0.2784,
0.3337

■ 35.6106, 0.2462,
0.3370

■ 35.6106, 0.2462,
0.3370

■ 34.9321, 0.2393,
0.3387

■ 36.4910, 0.2550,
0.3354

■ 34.4350, 0.2342,
0.3403

■ 37.5835, 0.2654,
0.3338

■ 34.1020, 0.2310,
0.3420

■ 38.9028, 0.2773,
0.3323

■ 33.9089, 0.2294,
0.3436

■ 40.4609, 0.2904,
0.3310

■ 33.8461, 0.2290,
0.3443

■ 42.2690, 0.3044,
0.3297

■ 44.3377, 0.3190,
0.3285

■ 46.6767, 0.3341,
0.3275

■ 49.2956, 0.3492,
0.3265

■ 52.2032, 0.3643,
0.3257

Harmonies

Analogous

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



35.6106, 0.2812, 0.3817



35.6106, 0.2462, 0.3370



35.6106, 0.2290, 0.2938

Triad

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



35.6106, 0.2462, 0.3370



35.6106, 0.2936, 0.2616



35.6106, 0.3991, 0.3877

Complementary

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



35.6106, 0.2462, 0.3370



15.2944, 0.4677, 0.3225

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.



35.6106, 0.4044, 0.3532



35.6106, 0.2462, 0.3370



35.6106, 0.3409, 0.2836

Square

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



35.6106, 0.2462, 0.3370



35.6106, 0.2547, 0.2545



35.6106, 0.3826, 0.3161



35.6106, 0.3698, 0.4100

Rectangle

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



35.6106, 0.2462, 0.3370



35.6106, 0.2288, 0.2726



35.6106, 0.3826, 0.3161



35.6106, 0.4038, 0.3770

Sweetspot

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



35.6120, 0.2462, 0.3370



72.9002, 0.2882, 0.3312



33.5096, 0.3089, 0.5025



15.6750, 0.2857, 0.3314



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.



35.6120, 0.2462, 0.3370



63.0987, 0.2378, 0.3391



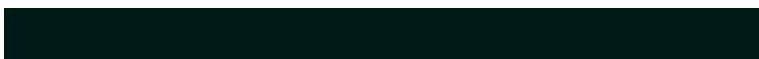
21.6673, 0.2277, 0.2539



9.6240, 0.2992, 0.3301



24.8339, 0.2289, 0.3442



0.7836, 0.2277, 0.3395

Inverse Universe

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



15.2944, 0.4677, 0.3225



22.5058, 0.5244, 0.3223



23.3180, 0.4364, 0.3907



8.5120, 0.3279, 0.3279



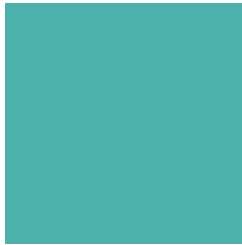
6.7893, 0.6334, 0.3263



0.2159, 0.6066, 0.3115

Previews

White Background



This preview shows how the Yxy color 35.6106, 0.2462, 0.3370 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 35.6106, 0.2462, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

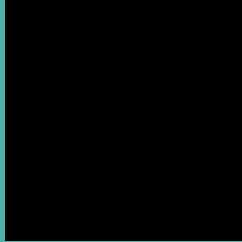
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

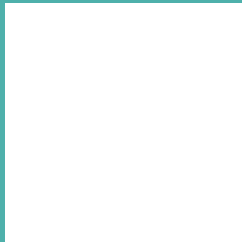
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6106, 0.2462, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 35.6106, 0.2462, 0.3370.

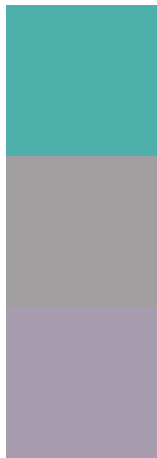


This preview shows how white text looks on a background with the Yxy color 35.6106, 0.2462, 0.3370.

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

35.6106, 0.2462, 0.3370

Protanopia

35.0509, 0.3138, 0.3261

Deuteranopia

35.1969, 0.3072, 0.3023



Tritanopia

35.7878, 0.2389, 0.3067

Trichromacy



Original Color

35.6106, 0.2462, 0.3370

Protanomaly

34.4522, 0.2827, 0.3289

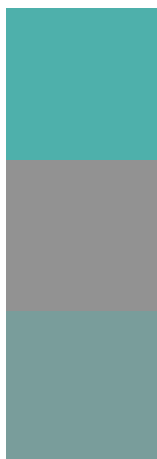
Deuteranomaly

34.4013, 0.2789, 0.3122

Tritanomaly

35.8312, 0.2416, 0.3176

Monochromacy



Original Color

35.6106, 0.2462, 0.3370

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.5454, 0.2812, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6106, 0.2462, 0.3370 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(78, 176, 171)` looks like.

```
.text, #text, p{  
    color:rgb(78, 176, 171)  
}
```

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(78, 176, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 176, 171) }
```

Border

The CSS property to change the border of an element to Yxy 35.6106, 0.2462, 0.3370 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(78, 176, 171) }
```

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

```
.border{ border-color:rgb(78, 176, 171) }
```

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

Here you see how a box with a 4 pixel rgb(78, 176, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 176, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 176, 171);  
box-shadow:4px 4px 4px 4px rgb(78, 176,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6106, 0.2462, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 176, 171) }
```

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

```
.background{ background-color: rgb(78, 176,  
171) }
```

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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