

Converting Colors

$Yxy(35.1016, 0.2481, 0.3380)$

Have a look what the booklet for
Yxy(35.1016, 0.2481, 0.3380)
contains.

Yxy(35.2300, 0.2481, 0.3387)	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(35.2300, 0.2481, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	50AFA9
RGB	80, 175, 169
RGB Percent	31%, 69%, 66%
CMY	0.6859, 0.3138, 0.3372
CMYK	0.54, 0.00, 0.03, 0.31
HSL	176°, 37%, 50%
HSV	176°, 54%, 69%
XYZ	25.8062, 35.2300, 42.9791
YIQ	145.9110, -54.6940, -22.0060

Conversions

Conversions Part 2

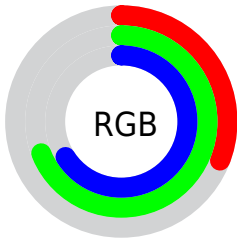
Format	Color
RYB	80, 129, 175
Decimal	5287849
CIELab	65.93, -29.37, -5.46
CIELCh	66, 29.871, 190.526
Yxy	35.2300, 0.2481, 0.3387
Android (android.graphics.Color)	4283477929 (0xFF50AFA9)
YUV	145.9110, 11.3829, -57.8039
Hunter-Lab	59.3549, -26.2631, -1.3838

Details

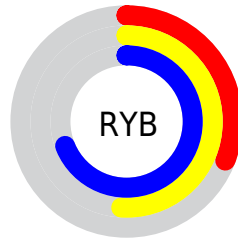
The Yxy color **35.2300, 0.2481, 0.3387** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5383, 0.4592, 0.3209**, and the grayscale version is **28.6864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8520, 0.2604, 0.3375**, and **15.2099, 0.2282, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **34.5239, 0.2410, 0.3408**, and if you desaturate by 10%, it is **36.1376, 0.2570, 0.3367**.

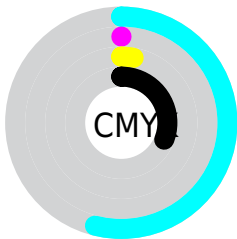
Distribution



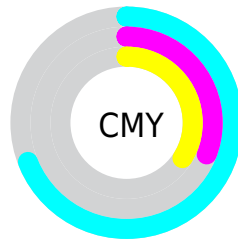
- Red (31%)
- Green (69%)
- Blue (66%)



- Red (31%)
- Yellow (51%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (69%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2300, 0.2481, 0.3387 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 35.2300, 0.2481, 0.3387 by changing the saturation by 10% instead.


 35.2300, 0.2481,
0.3387


 35.2300, 0.2481,
0.3387


325.5824, 0.2814,
0.3342


 23.8401, 0.2395,
0.3397


 67.8419, 0.2604,
0.3372


 15.2150, 0.2283,
0.3408


 89.8327, 0.2650,
0.3366

 8.9705, 0.2132,
0.3420


 116.1260, 0.2688,
0.3361

 4.7219, 0.1917,
0.3433

 147.1060, 0.2721,
0.3356

 2.0850, 0.1591,
0.3438

183.1573, 0.2749,
0.3352

 0.6562, 0.0000,
0.3732

224.6642, 0.2773,

 0.0000, 0.0000,

0.3348

0.0000

272.0111, 0.2795,
0.3345

■ 35.2300, 0.2481,
0.3387

■ 35.2300, 0.2481,
0.3387

■ 34.5239, 0.2410,
0.3408

■ 36.1376, 0.2570,
0.3367

■ 33.9995, 0.2357,
0.3429

■ 37.2567, 0.2676,
0.3348

■ 33.6400, 0.2323,
0.3449

■ 38.6013, 0.2796,
0.3329

■ 33.4237, 0.2306,
0.3470

■ 40.1834, 0.2927,
0.3312

■ 33.3354, 0.2301,
0.3482

■ 42.0138, 0.3066,
0.3296

■ 44.1028, 0.3212,
0.3282

■ 46.4600, 0.3360,
0.3269

■ 49.0947, 0.3510,
0.3258

■ 52.0157, 0.3658,
0.3248

Harmonies

Analogous

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



35.2300, 0.2832, 0.3824



35.2300, 0.2481, 0.3387



35.2300, 0.2303, 0.2958

Triad

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



35.2300, 0.2481, 0.3387



35.2300, 0.2922, 0.2619



35.2300, 0.3986, 0.3858

Complementary

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



35.2300, 0.2481, 0.3387



15.5383, 0.4592, 0.3209

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.



35.2300, 0.4028, 0.3515



35.2300, 0.2481, 0.3387



35.2300, 0.3387, 0.2831

Square

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



35.2300, 0.2481, 0.3387



35.2300, 0.2543, 0.2555



35.2300, 0.3804, 0.3149



35.2300, 0.3705, 0.4085

Rectangle

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



35.2300, 0.2481, 0.3387



35.2300, 0.2296, 0.2744



35.2300, 0.3804, 0.3149



35.2300, 0.4030, 0.3752

Sweetspot

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



35.2314, 0.2481, 0.3387



71.3580, 0.2899, 0.3315



33.2361, 0.3091, 0.4973



15.7297, 0.2872, 0.3319



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.



35.2314, 0.2481, 0.3387



61.6352, 0.2398, 0.3412



21.8196, 0.2298, 0.2564



9.0632, 0.2995, 0.3304



23.8786, 0.2300, 0.3480



0.6668, 0.2282, 0.3417

Inverse Universe

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



15.5383, 0.4592, 0.3209



22.6942, 0.5122, 0.3204



23.4220, 0.4320, 0.3892



8.0232, 0.3277, 0.3276



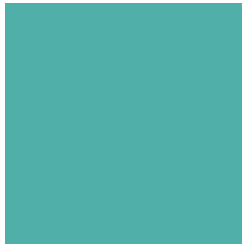
6.5476, 0.6316, 0.3253



0.1847, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 35.2300, 0.2481, 0.3387 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 35.2300, 0.2481, 0.3387 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

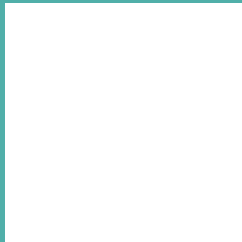
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2300, 0.2481, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 35.2300, 0.2481, 0.3387.



This preview shows how white text looks on a background with the Yxy color 35.2300, 0.2481, 0.3387.

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

35.2300, 0.2481, 0.3387

Protanopia

34.6383, 0.3157, 0.3275

Deuteranopia

34.7847, 0.3091, 0.3036



Tritanopia

35.0287, 0.2403, 0.3066

Trichromacy



Original Color

35.2300, 0.2481, 0.3387

Protanomaly

34.1008, 0.2849, 0.3305

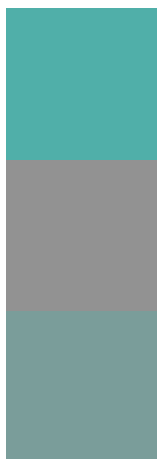
Deuteranomaly

34.0535, 0.2811, 0.3137

Tritanomaly

35.0672, 0.2430, 0.3175

Monochromacy



Original Color

35.2300, 0.2481, 0.3387

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.5846, 0.2829, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2300, 0.2481, 0.3387 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(80, 175, 169)` looks like.

```
.text, #text, p{  
  color:rgb(80, 175, 169)  
}
```

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(80, 175, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 169) }
```

Border

The CSS property to change the border of an element to Yxy 35.2300, 0.2481, 0.3387 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(80, 175, 169) }
```

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

```
.border{ border-color:rgb(80, 175, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 169);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2300, 0.2481, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 169) }
```

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

```
.background{ background-color: rgb(80, 175,  
169) }
```

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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