

Converting Colors

$Yxy(35.5528, 0.2449, 0.3291)$

Have a look what the booklet for
Yxy(35.5528, 0.2449, 0.3291)
contains.

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Color

Yxy(35.5044, 0.2451, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	51AFAF
RGB	81, 175, 175
RGB Percent	32%, 69%, 69%
CMY	0.6820, 0.3138, 0.3138
CMYK	0.54, 0.00, 0.00, 0.31
HSL	180°, 37%, 50%
HSV	180°, 54%, 69%
XYZ	26.4663, 35.5044, 46.0110
YIQ	146.8940, -56.0240, -19.9280

Conversions

Conversions Part 2

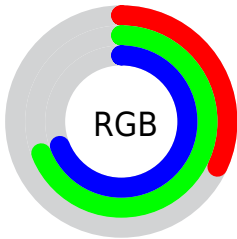
Format	Color
RYB	81, 128, 175
Decimal	5353391
CIELab	66.14, -27.55, -8.46
CIELCh	66, 28.816, 197.079
Yxy	35.5044, 0.2451, 0.3288
Android (android.graphics.Color)	4283543471 (0xFF51AFAF)
YUV	146.8940, 13.8563, -57.7890
Hunter-Lab	59.5856, -24.9898, -4.0729

Details

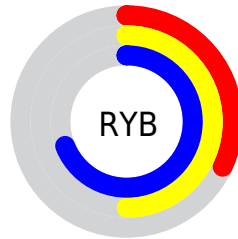
The Yxy color **35.5044, 0.2451, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.6079, 0.4668, 0.3295**, and the grayscale version is **29.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2683, 0.2579, 0.3301**, and **15.3620, 0.2243, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **34.8287, 0.2375, 0.3288**, and if you desaturate by 10%, it is **36.3821, 0.2546, 0.3288**.

Distribution



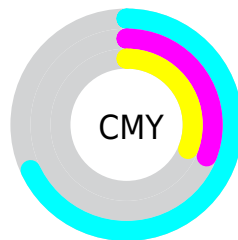
- Red (32%)
- Green (69%)
- Blue (69%)



- Red (32%)
- Yellow (50%)
- Blue (69%)



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





- Cyan (68%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5044, 0.2451, 0.3288 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 35.5044, 0.2451, 0.3288 by changing the saturation by 10% instead.


 35.5044, 0.2451,
0.3288

 35.5044, 0.2451,
0.3288


326.7892, 0.2797,
0.3297

 24.0517, 0.2362,
0.3283


 68.2664, 0.2579,
0.3293


 15.3720, 0.2247,
0.3274


 90.3445, 0.2626,
0.3295

 9.0809, 0.2093,
0.3259


 116.7332, 0.2666,
0.3296

 4.7940, 0.1875,
0.3230

 147.8169, 0.2700,
0.3296

 2.1269, 0.1548,
0.3168

183.9799, 0.2729,
0.3297

 0.6797, 0.0000,
0.3299

225.6067, 0.2755,

 0.0000, 0.0000,

0.3297

0.0000

273.0816, 0.2777,
0.3297

■ 35.5044, 0.2451,
0.3288

■ 35.5044, 0.2451,
0.3288

■ 34.8287, 0.2375,
0.3288

■ 36.3821, 0.2546,
0.3288

■ 34.3353, 0.2317,
0.3288

■ 37.4717, 0.2658,
0.3289

■ 34.0076, 0.2278,
0.3288

■ 38.7873, 0.2784,
0.3289

■ 33.8240, 0.2255,
0.3287

■ 40.3405, 0.2923,
0.3289

■ 33.7521, 0.2247,
0.3287

■ 42.1423, 0.3071,
0.3290

■ 44.2029, 0.3226,
0.3290

■ 46.5320, 0.3384,
0.3291

■ 49.1387, 0.3544,
0.3291

■ 52.0317, 0.3702,
0.3292

Harmonies

Analogous

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



35.5044, 0.2759, 0.3719



35.5044, 0.2451, 0.3288



35.5044, 0.2320, 0.2896

Triad

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



35.5044, 0.2451, 0.3288



35.5044, 0.3025, 0.2675



35.5044, 0.3913, 0.3900

Complementary

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



35.5044, 0.2451, 0.3288



15.6079, 0.4668, 0.3295

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.



35.5044, 0.4007, 0.3586



35.5044, 0.2451, 0.3288



35.5044, 0.3475, 0.2907

Square

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



35.5044, 0.2451, 0.3288



35.5044, 0.2632, 0.2580



35.5044, 0.3845, 0.3231



35.5044, 0.3603, 0.4077

Rectangle

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



35.5044, 0.2451, 0.3288



35.5044, 0.2341, 0.2713



35.5044, 0.3845, 0.3231



35.5044, 0.3972, 0.3805

Sweetspot

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



35.5058, 0.2451, 0.3288



71.4836, 0.2886, 0.3289



33.0765, 0.3059, 0.4970



15.7610, 0.2857, 0.3289



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.



35.5058, 0.2451, 0.3288



62.2345, 0.2365, 0.3288



20.7101, 0.2289, 0.2485



9.0721, 0.2987, 0.3290



24.1731, 0.2247, 0.3287



0.6725, 0.2247, 0.3287

Inverse Universe

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



15.6079, 0.4668, 0.3295



22.9172, 0.5202, 0.3296



24.7534, 0.4262, 0.3953



8.0154, 0.3286, 0.3290



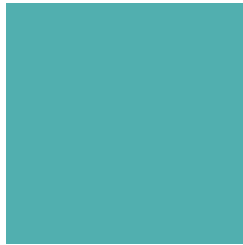
6.5268, 0.6401, 0.3300



0.1816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 35.5044, 0.2451, 0.3288 looks on a white background.

Color Contrast Check

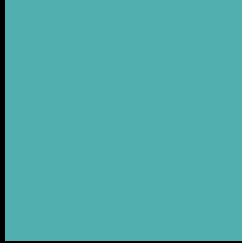
Large Text (above 18pt) WCAG AA × Fail

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 35.5044, 0.2451, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

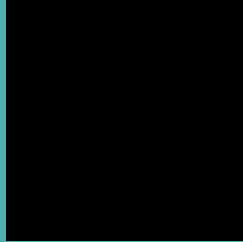
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

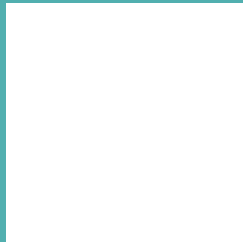
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5044, 0.2451, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 35.5044, 0.2451, 0.3288.

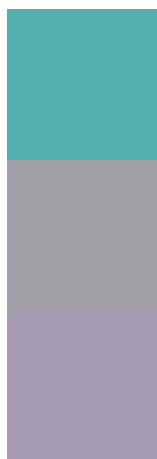


This preview shows how white text looks on a background with the Yxy color 35.5044, 0.2451, 0.3288.

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

35.5044, 0.2451, 0.3288

Protanopia

35.0900, 0.3093, 0.3203

Deuteranopia

35.1386, 0.3019, 0.2967



Tritanopia

35.4534, 0.2401, 0.3067

Trichromacy



Original Color

35.5044, 0.2451, 0.3288

Protanomaly

34.6804, 0.2804, 0.3227

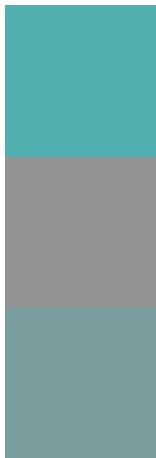
Deuteranomaly

34.5596, 0.2758, 0.3063

Tritanomaly

35.5758, 0.2416, 0.3144

Monochromacy



Original Color

35.5044, 0.2451, 0.3288

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7592, 0.2813, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5044, 0.2451, 0.3288 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(81, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 175, 175)  
}
```

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(81, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 175, 175) }
```

Border

The CSS property to change the border of an element to Yxy 35.5044, 0.2451, 0.3288 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(81, 175, 175) }
```

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

```
.border{ border-color:rgb(81, 175, 175) }
```

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

Here you see how a box with a 4 pixel rgb(81, 175, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(81, 175,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5044, 0.2451, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 175, 175) }
```

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

```
.background{ background-color: rgb(81, 175,  
175) }
```

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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