

Converting Colors

$Y_{xy}(35.5299, 0.2535, 0.3427)$

Have a look what the booklet for
Yxy(35.5299, 0.2535, 0.3427)
contains.

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Color

Yxy(35.5247, 0.2535, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	58AFA7
RGB	88, 175, 167
RGB Percent	35%, 69%, 65%
CMY	0.6547, 0.3137, 0.3452
CMYK	0.50, 0.00, 0.05, 0.31
HSL	174°, 35%, 52%
HSV	174°, 50%, 69%
XYZ	26.3319, 35.5247, 42.0168
YIQ	148.0750, -49.2840, -20.9320

Conversions

Conversions Part 2

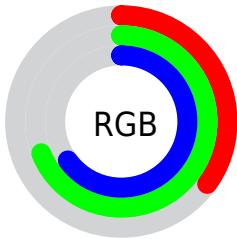
Format	Color
RYB	88, 134, 175
Decimal	5812135
CIELab	66.16, -28.17, -3.96
CIElCh	66, 28.444, 188.005
Yxy	35.5247, 0.2535, 0.3420
Android (android.graphics.Color)	4284002215 (0xFF58AFA7)
YUV	148.0750, 9.3300, -52.6858
Hunter-Lab	59.6026, -25.4448, -0.0746

Details

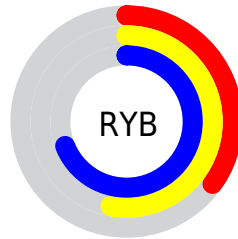
The Yxy color **35.5247, 0.2535, 0.3420** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.9495, 0.4364, 0.3176**, and the grayscale version is **29.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3550, 0.2648, 0.3399**, and **15.3635, 0.2352, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **34.7121, 0.2457, 0.3450**, and if you desaturate by 10%, it is **36.5458, 0.2630, 0.3391**.

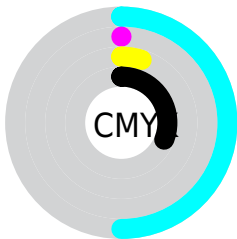
Distribution



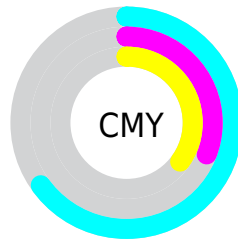
- Red (35%)
- Green (69%)
- Blue (65%)



- Red (35%)
- Yellow (53%)
- Blue (69%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (65%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5247, 0.2535, 0.3420 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 35.5247, 0.2535, 0.3420 by changing the saturation by 10% instead.


 35.5247, 0.2535,
0.3420


 35.5247, 0.2535,
0.3420


326.8783, 0.2841,
0.3356

 24.0673, 0.2456,
0.3435


 68.2978, 0.2648,
0.3397

 15.3836, 0.2353,
0.3454


 90.3824, 0.2690,
0.3389

 9.0890, 0.2212,
0.3478


 116.7781, 0.2725,
0.3381

 4.7993, 0.2012,
0.3509

 147.8694, 0.2755,
0.3375

 2.1300, 0.1705,
0.3546

184.0407, 0.2781,
0.3369

 0.6814, 0.0000,
0.4005

225.6763, 0.2803,

 0.0000, 0.0000,

0.3365

0.0000

273.1607, 0.2823,
0.3360

■ 35.5247, 0.2535,
0.3420

■ 35.5247, 0.2535,
0.3420

■ 34.7121, 0.2457,
0.3450

■ 36.5458, 0.2630,
0.3391

■ 34.0890, 0.2398,
0.3482

■ 37.7848, 0.2739,
0.3363

■ 33.6398, 0.2357,
0.3513


■ 39.2552, 0.2861,
0.3336


■ 33.3446, 0.2335,
0.3544


■ 40.9685, 0.2993,
0.3312

■ 33.1627, 0.2327,
0.3575

■ 42.9353, 0.3132,
0.3289

 33.1573, 0.2327,
0.3576

 45.1656, 0.3274,
0.3269

 47.6688, 0.3419,
0.3251

 50.4540, 0.3563,
0.3235

 53.5297, 0.3705,
0.3221

Harmonies

Analogous

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



35.5247, 0.2882, 0.3825



35.5247, 0.2535, 0.3420



35.5247, 0.2349, 0.3007

Triad

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



35.5247, 0.2535, 0.3420



35.5247, 0.2898, 0.2638



35.5247, 0.3956, 0.3809

Complementary

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



35.5247, 0.2535, 0.3420



16.9495, 0.4364, 0.3176

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.



35.5247, 0.3974, 0.3478



35.5247, 0.2535, 0.3420



35.5247, 0.3338, 0.2831

Square

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



35.5247, 0.2535, 0.3420



35.5247, 0.2547, 0.2591



35.5247, 0.3742, 0.3129



35.5247, 0.3707, 0.4034

Rectangle

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



35.5247, 0.2535, 0.3420



35.5247, 0.2331, 0.2794



35.5247, 0.3742, 0.3129



35.5247, 0.3991, 0.3705

Sweetspot

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



35.5261, 0.2535, 0.3420



71.6076, 0.2919, 0.3325



33.8928, 0.3119, 0.4806



15.7780, 0.2892, 0.3330



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.



35.5261, 0.2535, 0.3420



61.9987, 0.2448, 0.3455



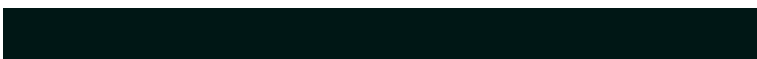
23.9944, 0.2373, 0.2689



9.0592, 0.2998, 0.3311



23.7504, 0.2326, 0.3572



0.6643, 0.2300, 0.3478

Inverse Universe

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



16.9495, 0.4364, 0.3176



24.7535, 0.4833, 0.3161



23.9447, 0.4212, 0.3806



8.0269, 0.3272, 0.3269



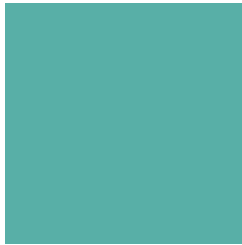
6.5582, 0.6275, 0.3230



0.1862, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 35.5247, 0.2535, 0.3420 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 35.5247, 0.2535, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

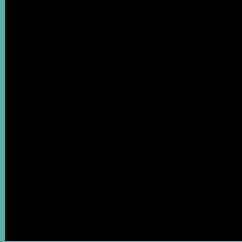
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

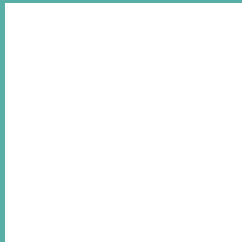
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5247, 0.2535, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 35.5247, 0.2535, 0.3420.

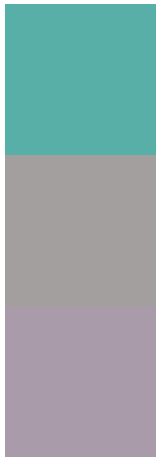


This preview shows how white text looks on a background with the Yxy color 35.5247, 0.2535, 0.3420.

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

35.5247, 0.2535, 0.3420

Protanopia

35.0514, 0.3175, 0.3305

Deuteranopia

34.9290, 0.3128, 0.3065



Tritanopia

35.4299, 0.2445, 0.3068

Trichromacy



Original Color

35.5247, 0.2535, 0.3420

Protanomaly

34.7177, 0.2900, 0.3351

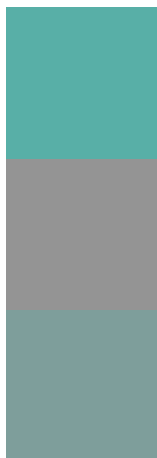
Deuteranomaly

34.3184, 0.2861, 0.3168

Tritanomaly

35.4171, 0.2478, 0.3192

Monochromacy



Original Color

35.5247, 0.2535, 0.3420

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.2559, 0.2857, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5247, 0.2535, 0.3420 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(88, 175, 167)` looks like.

```
.text, #text, p{  
    color:rgb(88, 175, 167)  
}
```

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(88, 175, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 175, 167) }
```

Border

The CSS property to change the border of an element to Yxy 35.5247, 0.2535, 0.3420 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(88, 175, 167) }
```

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

```
.border{ border-color:rgb(88, 175, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 175, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 175, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 175, 167);  
box-shadow:4px 4px 4px 4px rgb(88, 175,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5247, 0.2535, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 175, 167) }
```

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

```
.background{ background-color: rgb(88, 175,  
167) }
```

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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