

Converting Colors

$Yxy(35.4796, 0.2396, 0.3371)$

Have a look what the booklet for
Yxy(35.4796, 0.2396, 0.3371)
contains.

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Color

Yxy(35.4796, 0.2396, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	3FB1AC
RGB	63, 177, 172
RGB Percent	25%, 69%, 67%
CMY	0.7530, 0.3059, 0.3255
CMYK	0.64, 0.00, 0.03, 0.31
HSL	177°, 48%, 47%
HSV	177°, 64%, 69%
XYZ	25.2178, 35.4796, 44.5521
YIQ	142.3440, -66.3390, -25.7230

Conversions

Conversions Part 2

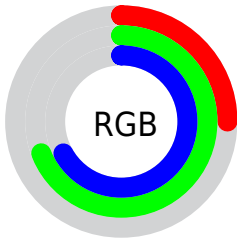
Format	Color
RYB	63, 121, 177
Decimal	4174252
CIELab	66.12, -32.68, -6.89
CIElCh	66, 33.399, 191.910
Yxy	35.4796, 0.2396, 0.3371
Android (android.graphics.Color)	4282364332 (0xFF3FB1AC)
YUV	142.3440, 14.6204, -69.5847
Hunter-Lab	59.5648, -28.6672, -2.6513

Details

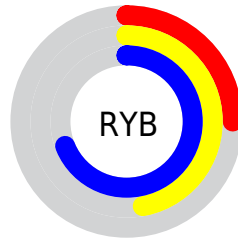
The Yxy color **35.4796, 0.2396, 0.3371** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.3177, 0.5085, 0.3232**, and the grayscale version is **27.1530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1090, 0.2534, 0.3363**, and **15.7714, 0.2273, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **34.9594, 0.2343, 0.3385**, and if you desaturate by 10%, it is **36.1900, 0.2468, 0.3357**.

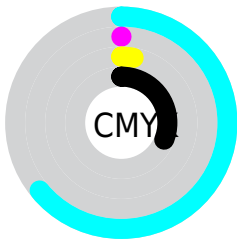
Distribution



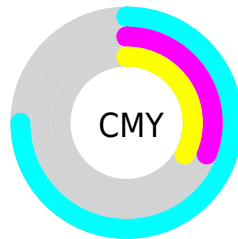
- Red (25%)
- Green (69%)
- Blue (67%)



- Red (25%)
- Yellow (47%)
- Blue (69%)



- Cyan (64%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)




- Cyan (75%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4796, 0.2396, 0.3371 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 35.4796, 0.2396, 0.3371 by changing the saturation by 10% instead.


 35.4796, 0.2396,
0.3371


 35.4796, 0.2396,
0.3371


326.6802, 0.2771,
0.3337


 24.0326, 0.2300,
0.3377


 68.2281, 0.2534,
0.3360

 15.3578, 0.2176,
0.3383


 90.2983, 0.2585,
0.3356


 9.0709, 0.2009,
0.3387


 116.6784, 0.2628,
0.3352

 4.7874, 0.1774,
0.3386

 147.7527, 0.2665,
0.3348

 2.1231, 0.1426,
0.3365

 183.9056, 0.2697,
0.3345

 0.6776, 0.0000,
0.3528

225.5216, 0.2725,

 0.0000, 0.0000,

0.3342

0.0000

272.9850, 0.2749,
0.3339

■ 35.4796, 0.2396,
0.3371

■ 35.4796, 0.2396,
0.3371

■ 34.9594, 0.2343,
0.3385

■ 36.1900, 0.2468,
0.3357

■ 34.6065, 0.2308,
0.3400

■ 37.1028, 0.2559,
0.3343

■ 34.3999, 0.2290,
0.3414

■ 38.2337, 0.2666,
0.3330

■ 34.3198, 0.2284,
0.3422

■ 39.5960, 0.2787,
0.3317

■ 41.2017, 0.2920,
0.3305

■ 43.0622, 0.3062,
0.3294

■ 45.1880, 0.3210,
0.3285

■ 47.5890, 0.3362,
0.3276

■ 50.2748, 0.3515,
0.3268

Harmonies

Analogous

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



35.4796, 0.2775, 0.3871



35.4796, 0.2396, 0.3371



35.4796, 0.2213, 0.2896

Triad

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



35.4796, 0.2396, 0.3371



35.4796, 0.2920, 0.2557



35.4796, 0.4073, 0.3930

Complementary

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



35.4796, 0.2396, 0.3371



13.3177, 0.5085, 0.3232

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.



35.4796, 0.4137, 0.3551



35.4796, 0.2396, 0.3371



35.4796, 0.3439, 0.2797

Square

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



35.4796, 0.2396, 0.3371



35.4796, 0.2494, 0.2477



35.4796, 0.3900, 0.3148



35.4796, 0.3747, 0.4181

Rectangle

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



35.4796, 0.2396, 0.3371



35.4796, 0.2212, 0.2667



35.4796, 0.3900, 0.3148



35.4796, 0.4127, 0.3812

Sweetspot

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



35.4810, 0.2396, 0.3371



72.3203, 0.2854, 0.3311



33.0583, 0.3064, 0.5316



15.5024, 0.2817, 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.



35.4810, 0.2396, 0.3371



62.3277, 0.2327, 0.3391



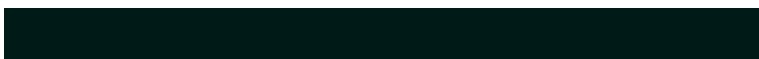
19.0742, 0.2153, 0.2359



9.6250, 0.2992, 0.3300



24.8670, 0.2283, 0.3420



0.7844, 0.2272, 0.3380

Inverse Universe

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



13.3177, 0.5085, 0.3232



19.5989, 0.5716, 0.3241



21.8068, 0.4604, 0.4003



8.5111, 0.3280, 0.3280



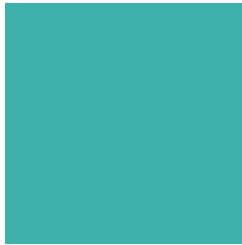
6.7870, 0.6343, 0.3268



0.2155, 0.6109, 0.3139

Previews

White Background



This preview shows how the Yxy color 35.4796, 0.2396, 0.3371 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 35.4796, 0.2396, 0.3371 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

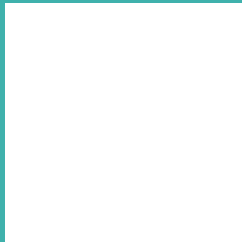
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.4796, 0.2396, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 35.4796, 0.2396, 0.3371.

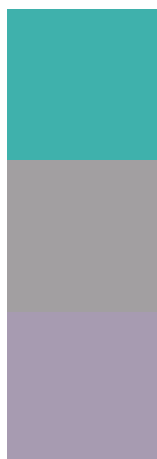


This preview shows how white text looks on a background with the Yxy color 35.4796, 0.2396, 0.3371.

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

35.4796, 0.2396, 0.3371

Protanopia

35.0509, 0.3138, 0.3261

Deuteranopia

34.8325, 0.3046, 0.2980



Tritanopia

35.2858, 0.2326, 0.3049

Trichromacy



Original Color

35.4796, 0.2396, 0.3371



Protanomaly

34.4247, 0.2787, 0.3305



Deuteranomaly

33.9567, 0.2732, 0.3104



Tritanomaly

35.3078, 0.2349, 0.3158

Monochromacy



Original Color

35.4796, 0.2396, 0.3371



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.2533, 0.2758, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4796, 0.2396, 0.3371 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(63, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(63, 177, 172)  
}
```

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(63, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 177, 172) }
```

Border

The CSS property to change the border of an element to Yxy 35.4796, 0.2396, 0.3371 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(63, 177, 172) }
```

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

```
.border{ border-color:rgb(63, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(63, 177,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4796, 0.2396, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 177, 172) }
```

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

```
.background{ background-color: rgb(63, 177,  
172) }
```

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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