

Converting Colors

$Yxy(31.6699, 0.2398, 0.3383)$

Have a look what the booklet for
Yxy(31.6699, 0.2398, 0.3383)
contains.

Yxy(31.5794, 0.2396, 0.3375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5794, 0.2396, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	3BA8A3
RGB	59, 168, 163
RGB Percent	23%, 66%, 64%
CMY	0.7685, 0.3412, 0.3607
CMYK	0.65, 0.00, 0.03, 0.34
HSL	177°, 48%, 45%
HSV	177°, 65%, 66%
XYZ	22.4190, 31.5794, 39.5702
YIQ	134.8390, -63.3590, -24.6630

Conversions

Conversions Part 2

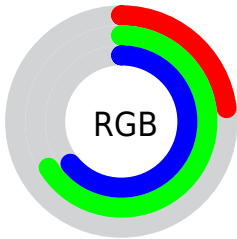
Format	Color
RYB	59, 115, 168
Decimal	3909795
CIELab	62.99, -31.56, -6.53
CIElCh	63, 32.226, 191.688
Yxy	31.5794, 0.2396, 0.3375
Android (android.graphics.Color)	4282099875 (0xFF3BA8A3)
YUV	134.8390, 13.8834, -66.5108
Hunter-Lab	56.1956, -27.1302, -2.4122

Details

The Yxy color **31.5794, 0.2396, 0.3375** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8260, 0.5090, 0.3230**, and the grayscale version is **24.1345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3663, 0.2539, 0.3366**, and **13.4092, 0.2275, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **31.1195, 0.2343, 0.3390**, and if you desaturate by 10%, it is **32.2071, 0.2468, 0.3360**.

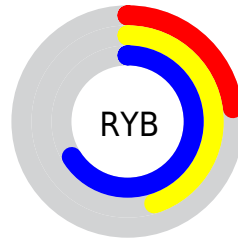
Distribution



Red (23%)

Green (66%)

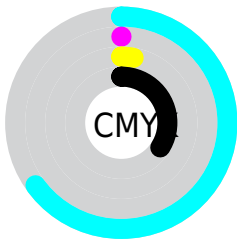
Blue (64%)



Red (23%)

Yellow (45%)

Blue (66%)

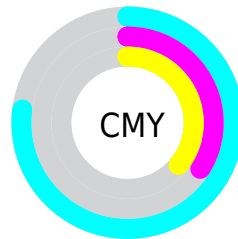


Cyan (65%)

Magenta (0%)

Yellow (3%)

Black (34%)



Cyan (77%)

Magenta (34%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5794, 0.2396, 0.3375 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 31.5794, 0.2396, 0.3375 by changing the saturation by 10% instead.


 31.5794, 0.2396,
0.3375


 31.5794, 0.2396,
0.3375


309.1988, 0.2778,
0.3338

 21.0404, 0.2296,
0.3382


 62.1511, 0.2538,
0.3363

 13.1536, 0.2164,
0.3389

 82.9527, 0.2591,
0.3358


 7.5344, 0.1985,
0.3394


 107.9439, 0.2635,
0.3354

 3.7985, 0.1728,
0.3393

 137.5092, 0.2672,
0.3350

 1.5615, 0.1293,
0.3383

 172.0330, 0.2704,
0.3346

 0.3314, 0.0000,
0.2885

211.8995, 0.2732,

 0.0000, 0.0000,

0.3343

0.0000

257.4933, 0.2756,
0.3340

■ 31.5794, 0.2396,
0.3375

■ 31.5794, 0.2396,
0.3375

■ 31.1195, 0.2343,
0.3390

■ 32.2071, 0.2468,
0.3360

■ 30.8073, 0.2309,
0.3405

■ 33.0132, 0.2557,
0.3346

■ 30.6237, 0.2291,
0.3420

■ 34.0118, 0.2663,
0.3332

■ 30.5541, 0.2285,
0.3427

■ 35.2145, 0.2783,
0.3319

■ 36.6320, 0.2915,
0.3307

■ 38.2742, 0.3056,
0.3295

■ 40.1505, 0.3203,
0.3285

■ 42.2696, 0.3354,
0.3276

■ 44.6399, 0.3506,
0.3267

Harmonies

Analogous

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



31.5794, 0.2777, 0.3876



31.5794, 0.2396, 0.3375



31.5794, 0.2211, 0.2898

Triad

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



31.5794, 0.2396, 0.3375



31.5794, 0.2915, 0.2554



31.5794, 0.4077, 0.3929

Complementary

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



31.5794, 0.2396, 0.3375



11.8260, 0.5090, 0.3230

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.



31.5794, 0.4140, 0.3549



31.5794, 0.2396, 0.3375



31.5794, 0.3436, 0.2793

Square

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



31.5794, 0.2396, 0.3375



31.5794, 0.2490, 0.2475



31.5794, 0.3900, 0.3145



31.5794, 0.3751, 0.4183

Rectangle

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



31.5794, 0.2396, 0.3375



31.5794, 0.2209, 0.2667



31.5794, 0.3900, 0.3145



31.5794, 0.4131, 0.3810

Sweetspot

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



31.5806, 0.2396, 0.3375



65.2716, 0.2855, 0.3312



29.4272, 0.3063, 0.5322



14.0745, 0.2819, 0.3315



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5806, 0.2396, 0.3375



56.1811, 0.2325, 0.3397



16.9425, 0.2151, 0.2356



8.5260, 0.2993, 0.3300



23.0755, 0.2285, 0.3426



0.5632, 0.2271, 0.3376

Inverse Universe

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



11.8260, 0.5090, 0.3230



17.5270, 0.5745, 0.3239



19.3798, 0.4610, 0.4005



7.5477, 0.3279, 0.3280



6.3014, 0.6338, 0.3265



0.1550, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 31.5794, 0.2396, 0.3375 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 31.5794, 0.2396, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

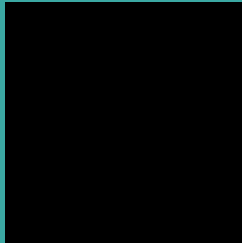
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5794, 0.2396, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 31.5794, 0.2396, 0.3375.

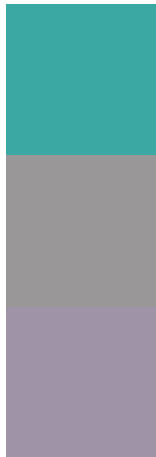


This preview shows how white text looks on a background with the Yxy color 31.5794, 0.2396, 0.3375.

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

31.5794, 0.2396, 0.3375

Protanopia

31.3031, 0.3139, 0.3260

Deuteranopia

31.0655, 0.3051, 0.2980



Tritanopia

31.7204, 0.2332, 0.3070

Trichromacy



Original Color

31.5794, 0.2396, 0.3375



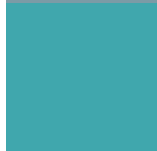
Protanomaly

30.4702, 0.2780, 0.3289



Deuteranomaly

30.4068, 0.2740, 0.3112



Tritanomaly

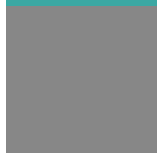
31.7446, 0.2356, 0.3186

Monochromacy



Original Color

31.5794, 0.2396, 0.3375



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.0376, 0.2759, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5794, 0.2396, 0.3375 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(59, 168, 163)` looks like.

```
.text, #text, p{  
    color:rgb(59, 168, 163)  
}
```

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(59, 168, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 168, 163) }
```

Border

The CSS property to change the border of an element to Yxy 31.5794, 0.2396, 0.3375 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(59, 168, 163) }
```

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

```
.border{ border-color:rgb(59, 168, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 168, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 168, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 168, 163);  
box-shadow:4px 4px 4px 4px rgb(59, 168,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5794, 0.2396, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 168, 163) }
```

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

```
.background{ background-color: rgb(59, 168,  
163) }
```

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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