

Converting Colors

$Y_{xy}(31.4816, 0.2135, 0.2887)$

Have a look what the booklet for
Yxy(31.4816, 0.2135, 0.2887)
contains.

Yxy(31.3990, 0.2135, 0.2887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.3990, 0.2135, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	00A7BF
RGB	0, 167, 191
RGB Percent	0%, 65%, 75%
CMY	1.0000, 0.3451, 0.2509
CMYK	1.00, 0.13, 0.00, 0.25
HSL	188°, 100%, 37%
HSV	188°, 100%, 75%
XYZ	23.2203, 31.3990, 54.1407
YIQ	119.8030, -107.2360, -27.9400

Conversions

Conversions Part 2

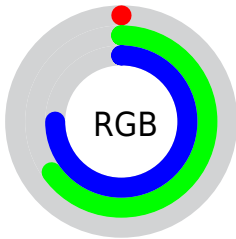
Format	Color
RYB	0, 89, 191
Decimal	42943
CIELab	62.84, -27.27, -22.51
CIELCh	63, 35.362, 219.538
Yxy	31.3990, 0.2135, 0.2887
Android (android.graphics.Color)	4278233023 (0xFF00A7BF)
YUV	119.8030, 35.1001, -105.0672
Hunter-Lab	56.0348, -24.0923, -18.0615

Details

The Yxy color **31.3990, 0.2135, 0.2887** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.7336, 0.6294, 0.3385**, and the grayscale version is **18.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6106, 0.2321, 0.2976**, and **14.0964, 0.2101, 0.2763** is the 20% darker color. If you saturate the color by 10%, you get **31.4030, 0.2135, 0.2887**, and if you desaturate by 10%, it is **32.4307, 0.2163, 0.2930**.

Distribution



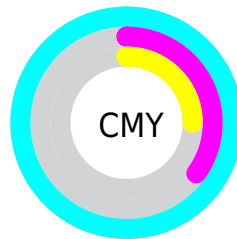
- Red (0%)
- Green (65%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3990, 0.2135, 0.2887 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 31.3990, 0.2135, 0.2887 by changing the saturation by 10% instead.


 31.3990, 0.2135,
0.2887


 31.3990, 0.2135,
0.2887


308.3723, 0.2641,
0.3116

 20.9029, 0.2008,
0.2821


 61.8677, 0.2320,
0.2977

 13.0530, 0.1845,
0.2731


 82.6091, 0.2389,
0.3009

 7.4651, 0.1631,
0.2602


 107.5343, 0.2448,
0.3035

 3.7546, 0.1342,
0.2407

 137.0278, 0.2498,
0.3056

 1.5373, 0.0932,
0.2090

 171.4740, 0.2541,
0.3075

 0.3147, 0.0000,
0.1220

211.2572, 0.2579,

 0.0000, 0.0000,

0.3091

0.0000

256.7618, 0.2612,
0.3104

■ 31.3990, 0.2135,
0.2887

■ 31.3990, 0.2135,
0.2887

■ 31.4030, 0.2135,
0.2887

■ 32.4307, 0.2163,
0.2930

■ 33.6119, 0.2206,
0.2974

■ 34.9961, 0.2267,
0.3018

■ 36.6083, 0.2347,
0.3062

■ 38.4699, 0.2446,
0.3105

■ 40.5995, 0.2560,
0.3146

■ 43.0140, 0.2689,
0.3186

■ 45.7287, 0.2828,
0.3223

■ 48.7578, 0.2975,
0.3258

Harmonies

Analogous

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



31.3990, 0.2350, 0.3422



31.3990, 0.2135, 0.2887



31.3990, 0.2156, 0.2535

Triad

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



31.3990, 0.2135, 0.2887



31.3990, 0.3423, 0.2725



31.3990, 0.3840, 0.4256

Complementary

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



31.3990, 0.2135, 0.2887



11.7336, 0.6294, 0.3385

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.



31.3990, 0.4184, 0.3954



31.3990, 0.2135, 0.2887



31.3990, 0.3947, 0.3098

Square

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



31.3990, 0.2135, 0.2887



31.3990, 0.2854, 0.2477



31.3990, 0.4233, 0.3533



31.3990, 0.3321, 0.4292

Rectangle

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



31.3990, 0.2135, 0.2887



31.3990, 0.2297, 0.2423



31.3990, 0.4233, 0.3533



31.3990, 0.3980, 0.4177

Sweetspot

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



31.4030, 0.2135, 0.2887



76.7988, 0.2682, 0.3184



37.3315, 0.2977, 0.5916



16.4473, 0.2626, 0.3168



97.7402, 0.3127, 0.3290



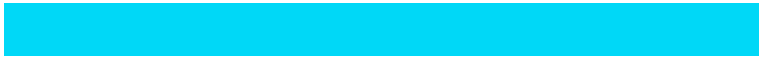
20.4902, 0.3127, 0.3290

Same Dimension

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



31.4030, 0.2135, 0.2887



55.9777, 0.2134, 0.2880



8.5575, 0.1670, 0.1210



10.5993, 0.2985, 0.3260



20.7130, 0.2137, 0.2893



0.8694, 0.2166, 0.2997

Inverse Universe

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



13.8699, 0.3555, 0.1732



24.8087, 0.3561, 0.1735



23.9891, 0.5073, 0.4354



9.6751, 0.3156, 0.3092



9.1207, 0.3550, 0.1729



0.3631, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 31.3990, 0.2135, 0.2887 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 31.3990, 0.2135, 0.2887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

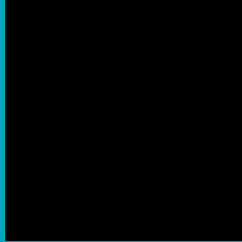
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3990, 0.2135, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 31.3990, 0.2135, 0.2887.



This preview shows how white text looks on a background with the Yxy color 31.3990, 0.2135, 0.2887.

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

31.3990, 0.2135, 0.2887

Protanopia

31.0871, 0.2823, 0.2856

Deuteranopia

30.8707, 0.2669, 0.2608



Tritanopia

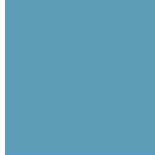
31.3827, 0.2180, 0.3048

Trichromacy



Original Color

31.3990, 0.2135, 0.2887



Protanomaly

29.4711, 0.2401, 0.2847



Deuteranomaly

29.5114, 0.2322, 0.2669



Tritanomaly

31.5080, 0.2167, 0.2999

Monochromacy



Original Color

31.3990, 0.2135, 0.2887



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.5031, 0.2478, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3990, 0.2135, 0.2887 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(0, 167, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 191)  
}
```

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(0, 167, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 191) }
```

Border

The CSS property to change the border of an element to Yxy 31.3990, 0.2135, 0.2887 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(0, 167, 191) }
```

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

```
.border{ border-color:rgb(0, 167, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3990, 0.2135, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 191) }
```

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

```
.background{ background-color: rgb(0, 167,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor