

Converting Colors

Yxy(31.3626, 0.2361, 0.3436)

Have a look what the booklet for
Yxy(31.3626, 0.2361, 0.3436)
contains.

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Color

Yxy(31.4495, 0.2365, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	2CA9A0
RGB	44, 169, 160
RGB Percent	17%, 66%, 63%
CMY	0.8275, 0.3372, 0.3726
CMYK	0.74, 0.00, 0.05, 0.34
HSL	176°, 59%, 42%
HSV	176°, 74%, 66%
XYZ	21.5714, 31.4495, 38.1900
YIQ	130.5990, -71.6110, -29.2990

Conversions

Conversions Part 2

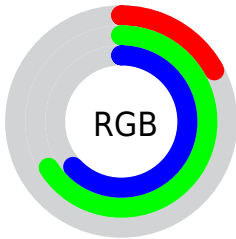
Format	Color
RYB	44, 109, 169
Decimal	2927008
CIELab	62.89, -35.03, -5.04
CIElCh	63, 35.395, 188.181
Yxy	31.4495, 0.2365, 0.3448
Android (android.graphics.Color)	4281117088 (0xFF2CA9A0)
YUV	130.5990, 14.4947, -75.9473
Hunter-Lab	56.0799, -29.4789, -1.1202

Details

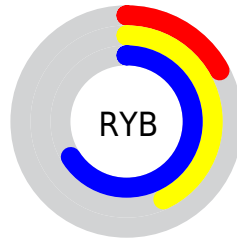
The Yxy color **31.4495, 0.2365, 0.3448** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4937, 0.5451, 0.3194**, and the grayscale version is **22.5135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0717, 0.2513, 0.3419**, and **13.5949, 0.2296, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **31.1072, 0.2331, 0.3472**, and if you desaturate by 10%, it is **31.9470, 0.2418, 0.3424**.

Distribution



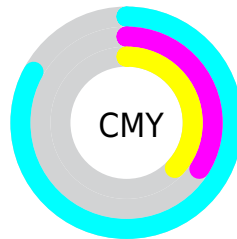
- Red (17%)
- Green (66%)
- Blue (63%)



- Red (17%)
- Yellow (43%)
- Blue (66%)



- Cyan (74%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)




- Cyan (83%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4495, 0.2365, 0.3448 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 31.4495, 0.2365, 0.3448 by changing the saturation by 10% instead.


 31.4495, 0.2365,
0.3448


 31.4495, 0.2365,
0.3448


308.6038, 0.2764,
0.3371

 20.9414, 0.2260,
0.3466


 61.9471, 0.2514,
0.3421

 13.0812, 0.2123,
0.3487


 82.7053, 0.2569,
0.3411


 7.4845, 0.1935,
0.3513


 107.6490, 0.2614,
0.3402

 3.7669, 0.1666,
0.3542

 137.1627, 0.2653,
0.3394

 1.5440, 0.1167,
0.3600

 171.6305, 0.2687,
0.3387

 0.3194, 0.0000,
0.3134

211.4371, 0.2716,

 0.0000, 0.0000,

0.3381

0.0000

256.9667, 0.2741,
0.3376

■ 31.4495, 0.2365,
0.3448

■ 31.4495, 0.2365,
0.3448

■ 31.1072, 0.2331,
0.3472

■ 31.9470, 0.2418,
0.3424

■ 30.8967, 0.2314,
0.3496

■ 32.6125, 0.2489,
0.3400

■ 30.8057, 0.2308,
0.3510

■ 33.4618, 0.2578,
0.3377

■ 34.5076, 0.2684,
0.3355

■ 35.7616, 0.2802,
0.3334

■ 37.2346, 0.2932,
0.3315

■ 38.9367, 0.3071,
0.3297

■ 40.8773, 0.3214,
0.3280

■ 43.0652, 0.3361,
0.3266

Harmonies

Analogous

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



31.4495, 0.2799, 0.3995



31.4495, 0.2365, 0.3448



31.4495, 0.2139, 0.2908

Triad

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



31.4495, 0.2365, 0.3448



31.4495, 0.2830, 0.2470



31.4495, 0.4193, 0.3937

Complementary

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



31.4495, 0.2365, 0.3448



10.4937, 0.5451, 0.3194

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.



31.4495, 0.4227, 0.3513



31.4495, 0.2365, 0.3448



31.4495, 0.3397, 0.2710

Square

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



31.4495, 0.2365, 0.3448



31.4495, 0.2388, 0.2404



31.4495, 0.3927, 0.3079



31.4495, 0.3860, 0.4247

Rectangle

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



31.4495, 0.2365, 0.3448



31.4495, 0.2120, 0.2642



31.4495, 0.3927, 0.3079



31.4495, 0.4242, 0.3802

Sweetspot

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



31.4507, 0.2365, 0.3448



64.4325, 0.2822, 0.3331



29.3549, 0.3069, 0.5566



13.9062, 0.2790, 0.3336



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.



31.4507, 0.2365, 0.3448



55.4348, 0.2318, 0.3488



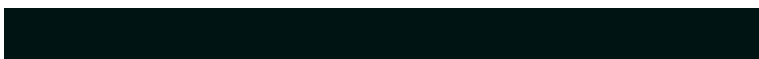
16.1036, 0.2063, 0.2283



8.5226, 0.2996, 0.3306



22.9617, 0.2308, 0.3508



0.5613, 0.2286, 0.3429

Inverse Universe

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



10.4937, 0.5451, 0.3194



15.9061, 0.6091, 0.3231



16.9982, 0.4936, 0.3994



7.5508, 0.3275, 0.3274



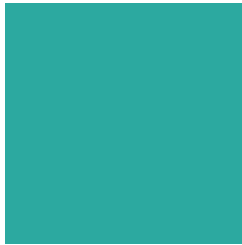
6.3099, 0.6303, 0.3246



0.1562, 0.5892, 0.3020

Previews

White Background



This preview shows how the Yxy color 31.4495, 0.2365, 0.3448 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 31.4495, 0.2365, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

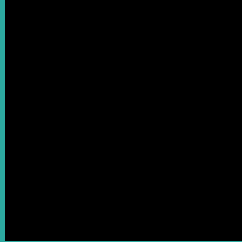
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

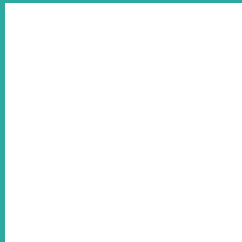
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4495, 0.2365, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 31.4495, 0.2365, 0.3448.

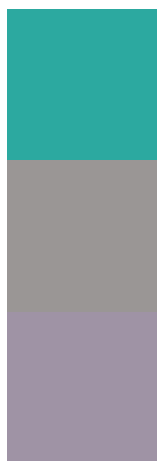


This preview shows how white text looks on a background with the Yxy color 31.4495, 0.2365, 0.3448.

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

31.4495, 0.2365, 0.3448

Protanopia

30.8526, 0.3178, 0.3306

Deuteranopia

30.9550, 0.3079, 0.3023



Tritanopia

31.4085, 0.2284, 0.3052

Trichromacy



Original Color

31.4495, 0.2365, 0.3448



Protanomaly

29.9913, 0.2769, 0.3356



Deuteranomaly

29.8689, 0.2713, 0.3157



Tritanomaly

31.3846, 0.2311, 0.3184

Monochromacy



Original Color

31.4495, 0.2365, 0.3448



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.8564, 0.2711, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4495, 0.2365, 0.3448 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(44, 169, 160)` looks like.

```
.text, #text, p{  
    color:rgb(44, 169, 160)  
}
```

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(44, 169, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 169, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.4495, 0.2365, 0.3448 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(44, 169, 160) }
```

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

```
.border{ border-color:rgb(44, 169, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 169, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(44, 169,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4495, 0.2365, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 169, 160) }
```

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

```
.background{ background-color: rgb(44, 169,  
160) }
```

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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