

Converting Colors

$Yxy(31.9361, 0.2620, 0.3558)$

Have a look what the booklet for
Yxy(31.9361, 0.2620, 0.3558)
contains.

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Color

Yxy(31.9956, 0.2622, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	59A797
RGB	89, 167, 151
RGB Percent	35%, 65%, 59%
CMY	0.6508, 0.3451, 0.4079
CMYK	0.47, 0.00, 0.10, 0.35
HSL	168°, 31%, 50%
HSV	168°, 47%, 65%
XYZ	23.5256, 31.9956, 34.2028
YIQ	141.8540, -41.3520, -21.5120

Conversions

Conversions Part 2

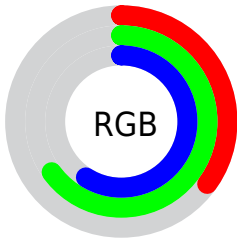
Format	Color
RYB	89, 132, 167
Decimal	5875607
CIELab	63.34, -28.05, 0.84
CIElCh	63, 28.058, 178.292
Yxy	31.9956, 0.2622, 0.3566
Android (android.graphics.Color)	4284065687 (0xFF59A797)
YUV	141.8540, 4.5090, -46.3530
Hunter-Lab	56.5647, -24.7487, 3.7445

Details

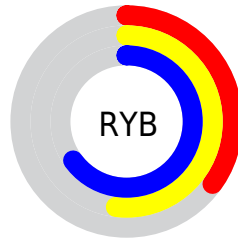
The Yxy color **31.9956, 0.2622, 0.3566** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3888, 0.4099, 0.3044**, and the grayscale version is **26.9875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5796, 0.2725, 0.3506**, and **13.4886, 0.2460, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **31.1519, 0.2548, 0.3636**, and if you desaturate by 10%, it is **33.0325, 0.2712, 0.3499**.

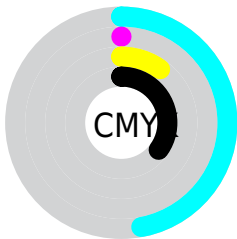
Distribution



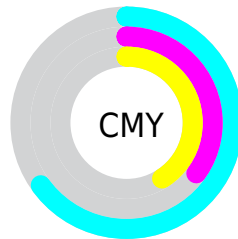
- Red (35%)
- Green (65%)
- Blue (59%)



- Red (35%)
- Yellow (52%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9956, 0.2622, 0.3566 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 31.9956, 0.2622, 0.3566 by changing the saturation by 10% instead.

 31.9956, 0.2622,
0.3566


 31.9956, 0.2622,
0.3566


311.0992, 0.2890,
0.3419

 21.3581, 0.2550,
0.3606


 62.8042, 0.2723,
0.3510

 13.3860, 0.2454,
0.3659


 83.7441, 0.2760,
0.3490

 7.6949, 0.2321,
0.3733


 108.8870, 0.2790,
0.3474

 3.9004, 0.2124,
0.3844

 138.6172, 0.2816,
0.3459

 1.6180, 0.1792,
0.4032

173.3191, 0.2839,
0.3447

 0.3697, 0.0000,
0.5179

213.3771, 0.2858,

 0.0000, 0.0000,

0.3437

0.0000

259.1757, 0.2875,
0.3427

■ 31.9956, 0.2622,
0.3566

■ 31.9956, 0.2622,
0.3566

■ 31.1519, 0.2548,
0.3636

■ 33.0325, 0.2712,
0.3499

■ 30.4848, 0.2491,
0.3709

■ 34.2705, 0.2814,
0.3436

■ 29.9810, 0.2452,
0.3783


■ 35.7215, 0.2926,
0.3377


■ 29.6238, 0.2433,
0.3857

■ 37.3956, 0.3045,
0.3323

■ 29.3890, 0.2431,
0.3931


■ 39.3019, 0.3169,
0.3274

 29.3217, 0.2432,
0.3955

 41.4494, 0.3294,
0.3230

 43.8464, 0.3421,
0.3191

 46.5007, 0.3545,
0.3157

 49.4199, 0.3667,
0.3127

Harmonies

Analogous

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



31.9956, 0.3014, 0.3940



31.9956, 0.2622, 0.3566



31.9956, 0.2374, 0.3128

Triad

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



31.9956, 0.2622, 0.3566



31.9956, 0.2763, 0.2592



31.9956, 0.4008, 0.3716

Complementary

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



31.9956, 0.2622, 0.3566



16.3888, 0.4099, 0.3044

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.



31.9956, 0.3941, 0.3364



31.9956, 0.2622, 0.3566



31.9956, 0.3193, 0.2744

Square

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



31.9956, 0.2622, 0.3566



31.9956, 0.2451, 0.2598



31.9956, 0.3634, 0.3018



31.9956, 0.3823, 0.3993

Rectangle

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



31.9956, 0.2622, 0.3566



31.9956, 0.2313, 0.2880



31.9956, 0.3634, 0.3018



31.9956, 0.4016, 0.3602

Sweetspot

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



31.9969, 0.2622, 0.3566



64.6655, 0.2954, 0.3364



31.4194, 0.3200, 0.4664



14.3379, 0.2930, 0.3375



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.



31.9969, 0.2622, 0.3566



55.7466, 0.2546, 0.3639



25.1400, 0.2448, 0.2902



8.5052, 0.3013, 0.3337



22.4445, 0.2430, 0.3948



0.5526, 0.2363, 0.3705

Inverse Universe

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



16.3888, 0.4099, 0.3044



24.3285, 0.4450, 0.3001



20.3350, 0.4191, 0.3636



7.5666, 0.3255, 0.3244



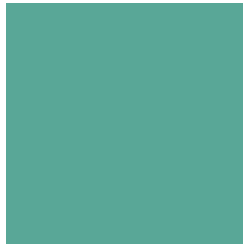
6.3824, 0.6022, 0.3091



0.1621, 0.5184, 0.2629

Previews

White Background



This preview shows how the Yxy color 31.9956, 0.2622, 0.3566 looks on a white background.

Color Contrast Check

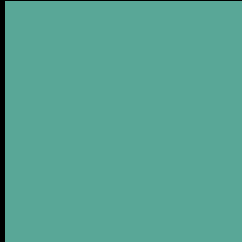
Large Text (above 18pt) WCAG AA × Fail

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 31.9956, 0.2622, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

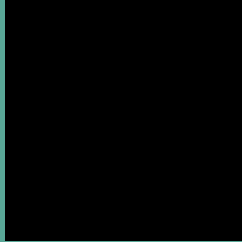
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9956, 0.2622, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 31.9956, 0.2622, 0.3566.

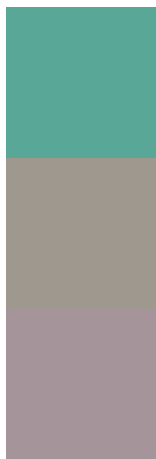


This preview shows how white text looks on a background with the Yxy color 31.9956, 0.2622, 0.3566.

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

31.9956, 0.2622, 0.3566

Protanopia

31.7087, 0.3274, 0.3428

Deuteranopia

31.6534, 0.3246, 0.3187



Tritanopia

31.8158, 0.2490, 0.3076

Trichromacy



Original Color

31.9956, 0.2622, 0.3566

Protanomaly

31.1758, 0.2995, 0.3468

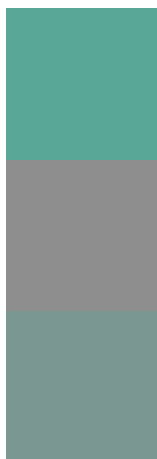
Deuteranomaly

31.1791, 0.2972, 0.3305

Tritanomaly

31.6681, 0.2532, 0.3238

Monochromacy



Original Color

31.9956, 0.2622, 0.3566

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3885, 0.2908, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9956, 0.2622, 0.3566 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(89, 167, 151)` looks like.

```
.text, #text, p{  
    color:rgb(89, 167, 151)  
}
```

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(89, 167, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 167, 151) }
```

Border

The CSS property to change the border of an element to Yxy 31.9956, 0.2622, 0.3566 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(89, 167, 151) }
```

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

```
.border{ border-color:rgb(89, 167, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 167, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 167, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 167, 151);  
box-shadow:4px 4px 4px 4px rgb(89, 167,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9956, 0.2622, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 167, 151) }
```

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

```
.background{ background-color: rgb(89, 167,  
151) }
```

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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