

Converting Colors

$Yxy(31.9114, 0.2605, 0.3510)$

Have a look what the booklet for
Yxy(31.9114, 0.2605, 0.3510)
contains.

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Color

Yxy(31.7294, 0.2599, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	59A69A
RGB	89, 166, 154
RGB Percent	35%, 65%, 60%
CMY	0.6509, 0.3490, 0.3962
CMYK	0.46, 0.00, 0.07, 0.35
HSL	171°, 30%, 50%
HSV	171°, 46%, 65%
XYZ	23.5883, 31.7294, 35.4414
YIQ	141.6090, -42.0400, -20.0560

Conversions

Conversions Part 2

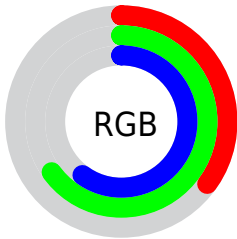
Format	Color
RYB	89, 131, 166
Decimal	5875354
CIELab	63.12, -26.82, -1.17
CIElCh	63, 26.842, 182.490
Yxy	31.7294, 0.2599, 0.3496
Android (android.graphics.Color)	4284065434 (0xFF59A69A)
YUV	141.6090, 6.1088, -46.1381
Hunter-Lab	56.3289, -23.8267, 2.1256

Details

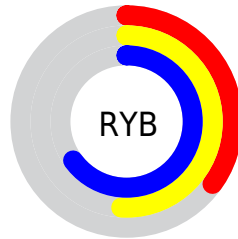
The Yxy color **31.7294, 0.2599, 0.3496** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1961, 0.4151, 0.3105**, and the grayscale version is **26.8775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1963, 0.2707, 0.3454**, and **13.3210, 0.2429, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **30.9142, 0.2520, 0.3548**, and if you desaturate by 10%, it is **32.7341, 0.2693, 0.3446**.

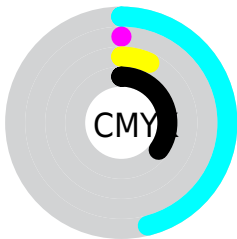
Distribution



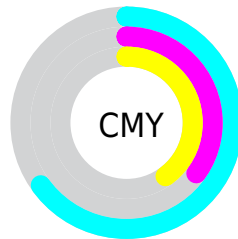
- Red (35%)
- Green (65%)
- Blue (60%)



- Red (35%)
- Yellow (51%)
- Blue (65%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (35%)





- Cyan (65%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7294, 0.2599, 0.3496 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 31.7294, 0.2599, 0.3496 by changing the saturation by 10% instead.


 31.7294, 0.2599,
0.3496


 31.7294, 0.2599,
0.3496


309.8847, 0.2878,
0.3388

 21.1549, 0.2524,
0.3524


 62.3866, 0.2704,
0.3456


 13.2373, 0.2425,
0.3562


 83.2382, 0.2742,
0.3441

 7.5921, 0.2288,
0.3613


 108.2841, 0.2774,
0.3429

 3.8351, 0.2085,
0.3688

 137.9090, 0.2801,
0.3418

 1.5817, 0.1748,
0.3809

172.4970, 0.2825,
0.3409

 0.3452, 0.0000,
0.4301

212.4328, 0.2845,

 0.0000, 0.0000,

0.3401

0.0000

258.1005, 0.2862,
0.3394

■ 31.7294, 0.2599,
0.3496

■ 31.7294, 0.2599,
0.3496

■ 30.9142, 0.2520,
0.3548

■ 32.7341, 0.2693,
0.3446

■ 30.2722, 0.2459,
0.3602

■ 33.9361, 0.2801,
0.3399

■ 29.7905, 0.2417,
0.3657

■ 35.3471, 0.2919,
0.3355

■ 29.4526, 0.2393,
0.3712

■ 36.9769, 0.3044,
0.3314

■ 29.2356, 0.2386,
0.3766

■ 38.8346, 0.3175,
0.3277

■ 29.1689, 0.2385,
0.3786

■ 40.9289, 0.3308,
0.3244

■ 43.2680, 0.3442,
0.3214

■ 45.8596, 0.3575,
0.3188

■ 48.7111, 0.3705,
0.3166

Harmonies

Analogous

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



31.7294, 0.2962, 0.3871



31.7294, 0.2599, 0.3496



31.7294, 0.2383, 0.3081

Triad

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



31.7294, 0.2599, 0.3496



31.7294, 0.2830, 0.2630



31.7294, 0.3962, 0.3745

Complementary

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



31.7294, 0.2599, 0.3496



16.1961, 0.4151, 0.3105

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.



31.7294, 0.3932, 0.3411



31.7294, 0.2599, 0.3496



31.7294, 0.3253, 0.2795

Square

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



31.7294, 0.2599, 0.3496



31.7294, 0.2510, 0.2614



31.7294, 0.3666, 0.3073



31.7294, 0.3755, 0.3991

Rectangle

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



31.7294, 0.2599, 0.3496



31.7294, 0.2342, 0.2855



31.7294, 0.3666, 0.3073



31.7294, 0.3980, 0.3639

Sweetspot

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



31.7307, 0.2599, 0.3496



64.7407, 0.2945, 0.3346



30.8112, 0.3166, 0.4667



14.3571, 0.2919, 0.3354



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.



31.7307, 0.2599, 0.3496



56.0170, 0.2516, 0.3552



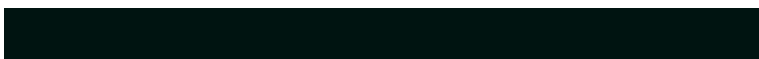
23.7345, 0.2440, 0.2834



8.5116, 0.3007, 0.3325



22.6238, 0.2384, 0.3781



0.5557, 0.2334, 0.3601

Inverse Universe

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



16.1961, 0.4151, 0.3105



24.1872, 0.4538, 0.3073



21.0179, 0.4151, 0.3693



7.5607, 0.3262, 0.3255



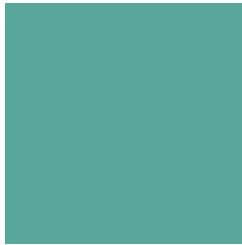
6.3489, 0.6147, 0.3160



0.1599, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 31.7294, 0.2599, 0.3496 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 31.7294, 0.2599, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

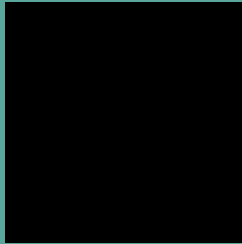
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7294, 0.2599, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 31.7294, 0.2599, 0.3496.

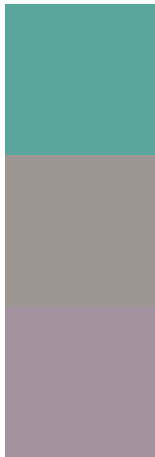


This preview shows how white text looks on a background with the Yxy color 31.7294, 0.2599, 0.3496.

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

31.7294, 0.2599, 0.3496

Protanopia

31.2765, 0.3226, 0.3367

Deuteranopia

31.2286, 0.3197, 0.3128



Tritanopia

31.7619, 0.2484, 0.3076

Trichromacy



Original Color

31.7294, 0.2599, 0.3496

Protanomaly

30.8524, 0.2959, 0.3403

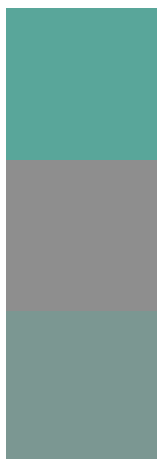
Deuteranomaly

30.8639, 0.2937, 0.3242

Tritanomaly

31.7052, 0.2526, 0.3221

Monochromacy



Original Color

31.7294, 0.2599, 0.3496

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.4195, 0.2899, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7294, 0.2599, 0.3496 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, 166, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 154)  
}
```

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, 166, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 154) }
```

Border

The CSS property to change the border of an element to Yxy 31.7294, 0.2599, 0.3496 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, 166, 154) }
```

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

```
.border{ border-color:rgb(89, 166, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 166, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7294, 0.2599, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 154) }
```

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

```
.background{ background-color: rgb(89, 166,  
154) }
```

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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