

Converting Colors

$Yxy(31.5513, 0.2831, 0.4191)$

Have a look what the booklet for
Yxy(31.5513, 0.2831, 0.4191)
contains.

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Color

Yxy(31.6863, 0.2829, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	56A977
RGB	86, 169, 119
RGB Percent	34%, 66%, 47%
CMY	0.6628, 0.3372, 0.5334
CMYK	0.49, 0.00, 0.30, 0.34
HSL	144°, 33%, 50%
HSV	144°, 49%, 66%
XYZ	21.3532, 31.6863, 22.4401
YIQ	138.4830, -33.4180, -33.1460

Conversions

Conversions Part 2

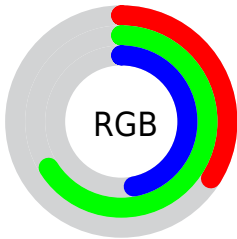
Format	Color
RYB	86, 145, 169
Decimal	5679479
CIELab	63.08, -36.92, 18.21
CIELCh	63, 41.166, 153.741
Yxy	31.6863, 0.2829, 0.4198
Android (android.graphics.Color)	4283869559 (0xFF56A977)
YUV	138.4830, -9.6051, -46.0276
Hunter-Lab	56.2906, -30.7967, 15.7676

Details

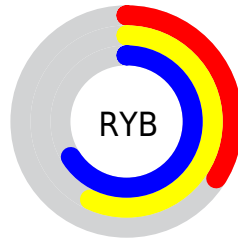
The Yxy color **31.6863, 0.2829, 0.4198** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.8647, 0.3642, 0.2545**, and the grayscale version is **25.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4534, 0.2903, 0.4006**, and **13.1799, 0.2706, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **30.7466, 0.2792, 0.4426**, and if you desaturate by 10%, it is **32.8444, 0.2878, 0.3981**.

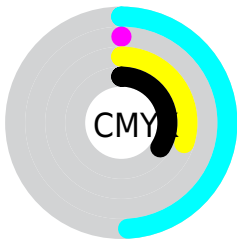
Distribution



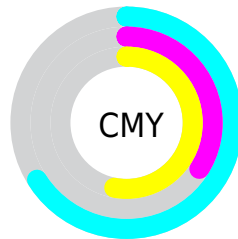
- Red (34%)
- Green (66%)
- Blue (47%)



- Red (34%)
- Yellow (57%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (30%)
- Black (34%)




- Cyan (66%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6863, 0.2829, 0.4198 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 31.6863, 0.2829, 0.4198 by changing the saturation by 10% instead.


 31.6863, 0.2829,
0.4198


 31.6863, 0.2829,
0.4198


309.6878, 0.3000,
0.3689


 21.1220, 0.2777,
0.4346


 62.3190, 0.2897,
0.3998

 13.2132, 0.2704,
0.4551


 83.1562, 0.2921,
0.3928

 7.5755, 0.2594,
0.4852


 108.1864, 0.2941,
0.3870

 3.8246, 0.2413,
0.5332

 137.7942, 0.2957,
0.3822

 1.5759, 0.2019,
0.6692

172.3638, 0.2970,
0.3781

 0.3413, 0.0000,
1.0000

212.2796, 0.2982,

 0.0000, 0.0000,

0.3746

0.0000

257.9262, 0.2992,
0.3716

■ 31.6863, 0.2829,
0.4198

■ 31.6863, 0.2829,
0.4198

■ 30.7466, 0.2792,
0.4426

■ 32.8444, 0.2878,
0.3981

■ 30.0071, 0.2771,
0.4658

■ 34.2301, 0.2935,
0.3779

■ 29.4528, 0.2767,
0.4888

■ 35.8567, 0.2999,
0.3594


■ 29.0648, 0.2781,
0.5105

■ 37.7354, 0.3065,
0.3427


■ 28.8066, 0.2809,
0.5305


■ 39.8764, 0.3133,
0.3278

 28.7864, 0.2812,
0.5322

 42.2896, 0.3200,
0.3146

 44.9845, 0.3266,
0.3030

 47.9697, 0.3330,
0.2928

 51.2538, 0.3390,
0.2840

Harmonies

Analogous

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



31.6863, 0.3462, 0.4486



31.6863, 0.2829, 0.4198



31.6863, 0.2308, 0.3570

Triad

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



31.6863, 0.2829, 0.4198



31.6863, 0.2226, 0.2287



31.6863, 0.4376, 0.3455

Complementary

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



31.6863, 0.2829, 0.4198



16.8647, 0.3642, 0.2545

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.



31.6863, 0.3976, 0.2974



31.6863, 0.2829, 0.4198



31.6863, 0.2694, 0.2333

Square

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



31.6863, 0.2829, 0.4198



31.6863, 0.1995, 0.2475



31.6863, 0.3335, 0.2577



31.6863, 0.4386, 0.3947

Rectangle

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



31.6863, 0.2829, 0.4198



31.6863, 0.2087, 0.3120



31.6863, 0.3335, 0.2577



31.6863, 0.4282, 0.3290

Sweetspot

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



31.6876, 0.2829, 0.4198



65.4557, 0.3024, 0.3527



34.3836, 0.3512, 0.4606



14.1231, 0.3011, 0.3561



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.



31.6876, 0.2829, 0.4198



54.9229, 0.2790, 0.4447



32.8702, 0.2554, 0.3453



8.4553, 0.3064, 0.3429



21.4622, 0.2806, 0.5302



0.5323, 0.2615, 0.4614

Inverse Universe

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



16.8647, 0.3642, 0.2545



25.2259, 0.3811, 0.2403



15.9257, 0.4304, 0.3146



7.6153, 0.3196, 0.3155



7.0094, 0.4503, 0.2254



0.1802, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 31.6863, 0.2829, 0.4198 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 31.6863, 0.2829, 0.4198 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 31.6863, 0.2829, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 31.6863, 0.2829, 0.4198.



This preview shows how white text looks on a background with the Yxy color 31.6863, 0.2829, 0.4198.

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

31.6863, 0.2829, 0.4198

Protanopia

31.3907, 0.3643, 0.3916

Deuteranopia

31.2431, 0.3679, 0.3612



Tritanopia

31.6451, 0.2519, 0.3077

Trichromacy



Original Color

31.6863, 0.2829, 0.4198



Protanomaly

30.8195, 0.3297, 0.4023



Deuteranomaly

30.3560, 0.3315, 0.3812



Tritanomaly

31.7097, 0.2628, 0.3459

Monochromacy



Original Color

31.6863, 0.2829, 0.4198



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.0555, 0.2993, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6863, 0.2829, 0.4198 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(86, 169, 119)` looks like.

```
.text, #text, p{  
    color:rgb(86, 169, 119)  
}
```

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(86, 169, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 169, 119) }
```

Border

The CSS property to change the border of an element to Yxy 31.6863, 0.2829, 0.4198 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(86, 169, 119) }
```

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

```
.border{ border-color:rgb(86, 169, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 169, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 169, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 169, 119);  
box-shadow:4px 4px 4px 4px rgb(86, 169,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6863, 0.2829, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 169, 119) }
```

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

```
.background{ background-color: rgb(86, 169,  
119) }
```

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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