

Converting Colors

$Yxy(31.6915, 0.3030, 0.3812)$

Have a look what the booklet for
Yxy(31.6915, 0.3030, 0.3812)
contains.

Yxy(31.6903, 0.3029, 0.3812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.6903, 0.3029, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	7BA283
RGB	123, 162, 131
RGB Percent	48%, 64%, 51%
CMY	0.5178, 0.3647, 0.4863
CMYK	0.24, 0.00, 0.19, 0.36
HSL	132°, 17%, 56%
HSV	132°, 24%, 64%
XYZ	25.1810, 31.6903, 26.2617
YIQ	146.8050, -13.2930, -17.9090

Conversions

Conversions Part 2

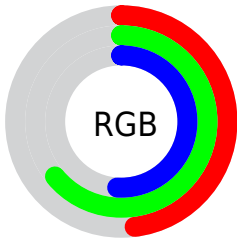
Format	Color
RYB	123, 155, 162
Decimal	8102531
CIELab	63.09, -19.76, 11.86
CIElCh	63, 23.044, 149.024
Yxy	31.6903, 0.3029, 0.3812
Android (android.graphics.Color)	4286292611 (0xFF7BA283)
YUV	146.8050, -7.7919, -20.8770
Hunter-Lab	56.2941, -18.6697, 11.7466

Details

The Yxy color **31.6903, 0.3029, 0.3812** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.1709, 0.3244, 0.2819**, and the grayscale version is **29.1271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3165, 0.3051, 0.3702**, and **13.1775, 0.2981, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **30.2670, 0.2990, 0.4071**, and if you desaturate by 10%, it is **33.3573, 0.3070, 0.3578**.

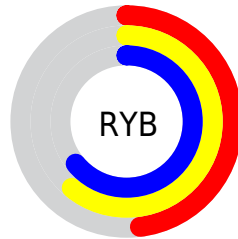
Distribution



Red (48%)

Green (64%)

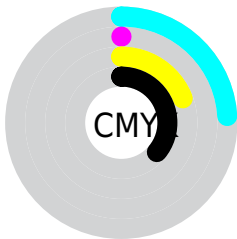
Blue (51%)



Red (48%)

Yellow (61%)

Blue (64%)

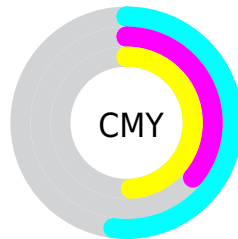


Cyan (24%)

Magenta (0%)

Yellow (19%)

Black (36%)



Cyan (52%)


Magenta (36%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6903, 0.3029, 0.3812 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 31.6903, 0.3029, 0.3812 by changing the saturation by 10% instead.


 31.6903, 0.3029,
0.3812


 31.6903, 0.3029,
0.3812


309.7060, 0.3086,
0.3525


 21.1251, 0.3012,
0.3893


 62.3253, 0.3052,
0.3701

 13.2154, 0.2987,
0.4005


 83.1638, 0.3060,
0.3661

 7.5771, 0.2951,
0.4166


 108.1955, 0.3066,
0.3629

 3.8255, 0.2889,
0.4419

137.8048, 0.3071,
0.3601

 1.5765, 0.2781,
0.4895

172.3761, 0.3076,
0.3578

 0.3416, 0.0000,
1.0000

212.2938, 0.3079,

 0.0000, 0.0000,

0.3558

0.0000

257.9424, 0.3083,
0.3541

■ 31.6903, 0.3029,
0.3812

■ 31.6903, 0.3029,
0.3812

■ 30.2670, 0.2990,
0.4071

■ 33.3573, 0.3070,
0.3578

■ 29.0721, 0.2956,
0.4350

■ 35.2746, 0.3111,
0.3369

■ 28.0947, 0.2928,
0.4642

■ 37.4534, 0.3151,
0.3184

■ 27.3215, 0.2910,
0.4936

■ 39.9031, 0.3189,
0.3023

■ 26.7375, 0.2903,
0.5217

■ 42.6326, 0.3226,
0.2883

■ 26.3258, 0.2909,
0.5469

■ 45.6504, 0.3260,
0.2761

■ 26.0662, 0.2927,
0.5676

■ 48.9647, 0.3292,
0.2656

■ 25.9567, 0.2938,
0.5776

■ 52.5833, 0.3322,
0.2564

■ 53.8076, 0.3235,
0.2455

Harmonies

Analogous

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



31.6903, 0.3394, 0.3946



31.6903, 0.3029, 0.3812



31.6903, 0.2703, 0.3509

Triad

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



31.6903, 0.3029, 0.3812



31.6903, 0.2569, 0.2713



31.6903, 0.3800, 0.3365

Complementary

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



31.6903, 0.3029, 0.3812



24.1709, 0.3244, 0.2819

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.



31.6903, 0.3553, 0.3072



31.6903, 0.3029, 0.3812



31.6903, 0.2835, 0.2707

Square

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



31.6903, 0.3029, 0.3812



31.6903, 0.2450, 0.2866



31.6903, 0.3194, 0.2838



31.6903, 0.3852, 0.3658

Rectangle

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



31.6903, 0.3029, 0.3812



31.6903, 0.2549, 0.3270



31.6903, 0.3194, 0.2838



31.6903, 0.3737, 0.3265

Sweetspot

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



31.6916, 0.3029, 0.3812



62.9249, 0.3098, 0.3429



34.1638, 0.3402, 0.3892



14.0885, 0.3096, 0.3441



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.6916, 0.3029, 0.3812



56.0630, 0.3008, 0.3950



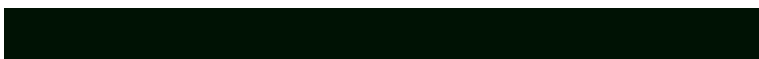
32.2645, 0.2872, 0.3481



7.9178, 0.3089, 0.3473



20.4513, 0.2934, 0.5763



0.4358, 0.2762, 0.5145

Inverse Universe

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



24.1709, 0.3244, 0.2819



39.9687, 0.3276, 0.2710



23.5788, 0.3470, 0.3108



7.1771, 0.3167, 0.3113



7.2993, 0.3797, 0.1865



0.1593, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 31.6903, 0.3029, 0.3812 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 31.6903, 0.3029, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

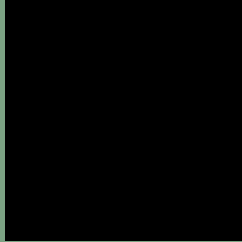
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

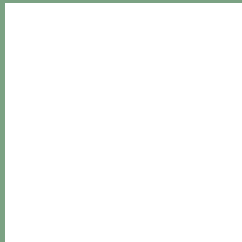
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6903, 0.3029, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 31.6903, 0.3029, 0.3812.



This preview shows how white text looks on a background with the Yxy color 31.6903, 0.3029, 0.3812.

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

31.6903, 0.3029, 0.3812

Protanopia

31.5399, 0.3473, 0.3689

Deuteranopia

31.4729, 0.3537, 0.3482



Tritanopia

31.7243, 0.2778, 0.3101

Trichromacy



Original Color

31.6903, 0.3029, 0.3812

Protanomaly

31.5385, 0.3296, 0.3737

Deuteranomaly

31.1185, 0.3340, 0.3586

Tritanomaly

31.6749, 0.2866, 0.3354

Monochromacy



Original Color

31.6903, 0.3029, 0.3812

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7828, 0.3089, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6903, 0.3029, 0.3812 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(123, 162, 131)` looks like.

```
.text, #text, p{  
  color:rgb(123, 162, 131)  
}
```

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(123, 162, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 131) }
```

Border

The CSS property to change the border of an element to Yxy 31.6903, 0.3029, 0.3812 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(123, 162, 131) }
```

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

```
.border{ border-color:rgb(123, 162, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 162, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 131);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6903, 0.3029, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 162, 131) }
```

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

```
.background{ background-color: rgb(123,  
162, 131) }
```

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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