

Converting Colors

$Yxy(31.7703, 0.3164, 0.3905)$

Have a look what the booklet for
Yxy(31.7703, 0.3164, 0.3905)
contains.

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Color

Yxy(31.7703, 0.3164, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	83A17C
RGB	131, 161, 124
RGB Percent	51%, 63%, 49%
CMY	0.4863, 0.3686, 0.5137
CMYK	0.19, 0.00, 0.23, 0.37
HSL	109°, 16%, 56%
HSV	109°, 23%, 63%
XYZ	25.7417, 31.7703, 23.8460
YIQ	147.8120, -6.0030, -17.8670

Conversions

Conversions Part 2

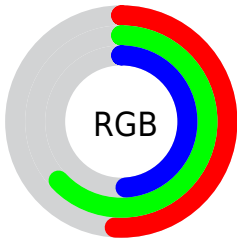
Format	Color
RYB	124, 161, 154
Decimal	8626556
CIELab	63.15, -17.68, 15.92
CIElCh	63, 23.788, 138.003
Yxy	31.7703, 0.3164, 0.3905
Android (android.graphics.Color)	4286816636 (0xFF83A17C)
YUV	147.8120, -11.7393, -14.7441
Hunter-Lab	56.3651, -17.1190, 14.3722

Details

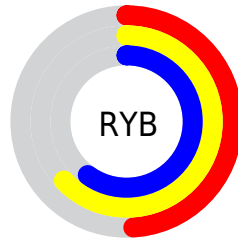
The Yxy color **31.7703, 0.3164, 0.3905** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.8630, 0.3074, 0.2720**, and the grayscale version is **29.5834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4764, 0.3155, 0.3772**, and **13.1946, 0.3167, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **30.4189, 0.3175, 0.4216**, and if you desaturate by 10%, it is **33.3224, 0.3149, 0.3619**.

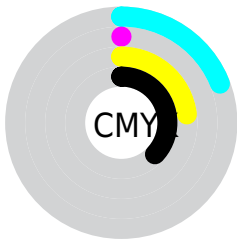
Distribution



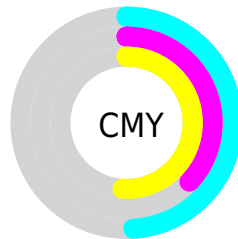
- Red (51%)
- Green (63%)
- Blue (49%)



- Red (49%)
- Yellow (63%)
- Blue (60%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)



- Cyan (49%)
- Magenta (37%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7703, 0.3164, 0.3905 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 31.7703, 0.3164, 0.3905 by changing the saturation by 10% instead.


 31.7703, 0.3164,
0.3905


 31.7703, 0.3164,
0.3905


310.0716, 0.3150,
0.3567


 21.1861, 0.3165,
0.4001


 62.4508, 0.3160,
0.3774

 13.2601, 0.3165,
0.4131


 83.3159, 0.3159,
0.3728

 7.6079, 0.3161,
0.4319


 108.3768, 0.3157,
0.3689

 3.8451, 0.3146,
0.4613

138.0179, 0.3155,
0.3657

 1.5873, 0.3173,
0.5261

172.6235, 0.3154,
0.3630

 0.3490, 0.0000,
1.0000

212.5780, 0.3152,

 0.0000, 0.0000,

0.3606

0.0000

258.2659, 0.3151,
0.3586

■ 31.7703, 0.3164,
0.3905

■ 31.7703, 0.3164,
0.3905

■ 30.4189, 0.3175,
0.4216

■ 33.3224, 0.3149,
0.3619

■ 29.2561, 0.3181,
0.4544

■ 35.0789, 0.3132,
0.3361

■ 28.2746, 0.3179,
0.4877

■ 37.0482, 0.3114,
0.3132

■ 27.4650, 0.3170,
0.5196

■ 39.2373, 0.3096,
0.2931

■ 26.8170, 0.3151,
0.5481

■ 41.6526, 0.3078,
0.2754

■ 26.3193, 0.3123,
0.5709

■ 44.3006, 0.3060,
0.2600

■ 25.9589, 0.3089,
0.5868

■ 47.1871, 0.3044,
0.2466

■ 25.7737, 0.3067,
0.5947

■ 50.3181, 0.3028,
0.2349

■ 52.7703, 0.3117,
0.2360

Harmonies

Analogous

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



31.7703, 0.3530, 0.3964



31.7703, 0.3164, 0.3905



31.7703, 0.2803, 0.3645

Triad

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



31.7703, 0.3164, 0.3905



31.7703, 0.2488, 0.2735



31.7703, 0.3748, 0.3253

Complementary

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



31.7703, 0.3164, 0.3905



23.8630, 0.3074, 0.2720

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.



31.7703, 0.3438, 0.2967



31.7703, 0.3164, 0.3905



31.7703, 0.2710, 0.2675

Square

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



31.7703, 0.3164, 0.3905



31.7703, 0.2427, 0.2947



31.7703, 0.3054, 0.2761



31.7703, 0.3881, 0.3561

Rectangle

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



31.7703, 0.3164, 0.3905



31.7703, 0.2611, 0.3405



31.7703, 0.3054, 0.2761



31.7703, 0.3660, 0.3152

Sweetspot

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



31.7717, 0.3164, 0.3905



61.4665, 0.3140, 0.3465



32.0147, 0.3488, 0.3743



13.4432, 0.3141, 0.3478



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.7717, 0.3164, 0.3905



55.5091, 0.3171, 0.4075



31.5299, 0.3004, 0.3724



7.9564, 0.3143, 0.3520



20.5967, 0.3071, 0.5944



0.4495, 0.3288, 0.5772

Inverse Universe

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



23.8630, 0.3074, 0.2720



38.6109, 0.3058, 0.2577



24.1937, 0.3277, 0.2893



7.1344, 0.3109, 0.3066



5.9018, 0.2745, 0.1286



0.1405, 0.2924, 0.1385

Previews

White Background



This preview shows how the Yxy color 31.7703, 0.3164, 0.3905 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 31.7703, 0.3164, 0.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

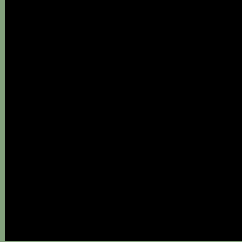
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7703, 0.3164, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 31.7703, 0.3164, 0.3905.



This preview shows how white text looks on a background with the Yxy color 31.7703, 0.3164, 0.3905.

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

31.7703, 0.3164, 0.3905

Protanopia

31.4939, 0.3543, 0.3781

Deuteranopia

31.6298, 0.3644, 0.3583



Tritanopia

31.6731, 0.2854, 0.3088

Trichromacy



Original Color

31.7703, 0.3164, 0.3905

Protanomaly

31.4025, 0.3406, 0.3829

Deuteranomaly

31.4364, 0.3462, 0.3691

Tritanomaly

31.5318, 0.2962, 0.3370

Monochromacy



Original Color

31.7703, 0.3164, 0.3905

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3973, 0.3147, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7703, 0.3164, 0.3905 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(131, 161, 124)` looks like.

```
.text, #text, p{  
    color:rgb(131, 161, 124)  
}
```

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(131, 161, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 161, 124) }
```

Border

The CSS property to change the border of an element to Yxy 31.7703, 0.3164, 0.3905 is called "border". The border property can be set on classes, ids or directly on the HTML element.

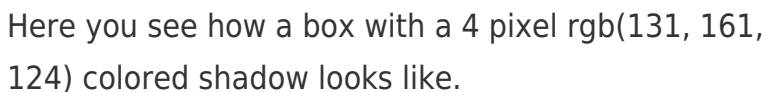
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 161, 124) }
```

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

```
.border{ border-color:rgb(131, 161, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 161, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 161, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 161, 124); box-shadow:4px 4px 4px 4px rgb(131, 161, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7703, 0.3164, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 161, 124) }
```

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

```
.background{ background-color: rgb(131,  
161, 124) }
```

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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