

Converting Colors

$Yxy(31.7175, 0.3489, 0.3623)$

Have a look what the booklet for
Yxy(31.7175, 0.3489, 0.3623)
contains.

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Color

Yxy(31.7175, 0.3489, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	A59781
RGB	165, 151, 129
RGB Percent	65%, 59%, 51%
CMY	0.3530, 0.4078, 0.4941
CMYK	0.00, 0.08, 0.22, 0.35
HSL	37°, 17%, 58%
HSV	37°, 22%, 65%
XYZ	30.5444, 31.7175, 25.2830
YIQ	152.6780, 15.4060, -3.8740

Conversions

Conversions Part 2

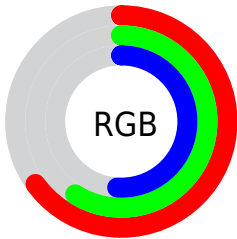
Format	Color
RYB	152, 165, 129
Decimal	10852225
CIELab	63.11, 1.49, 13.47
CIELCh	63, 13.548, 83.671
Yxy	31.7175, 0.3489, 0.3623
Android (android.graphics.Color)	4289042305 (0xFFA59781)
YUV	152.6780, -11.6733, 10.8064
Hunter-Lab	56.3183, -1.7470, 12.8058

Details

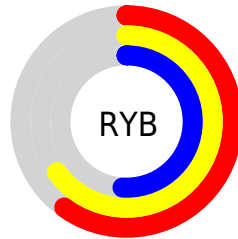
The Yxy color **31.7175, 0.3489, 0.3623** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.0246, 0.2785, 0.2933**, and the grayscale version is **31.7548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2557, 0.3413, 0.3554**, and **13.2042, 0.3612, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **29.3073, 0.3683, 0.3783**, and if you desaturate by 10%, it is **34.3137, 0.3313, 0.3466**.

Distribution



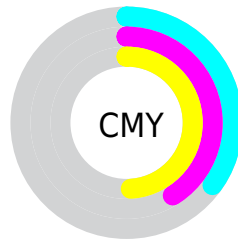
- Red (65%)
- Green (59%)
- Blue (51%)



- Red (60%)
- Yellow (65%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (35%)





- Cyan (35%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7175, 0.3489, 0.3623 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 31.7175, 0.3489, 0.3623 by changing the saturation by 10% instead.


 31.7175, 0.3489,
0.3623


 31.7175, 0.3489,
0.3623


309.8304, 0.3296,
0.3447

 21.1458, 0.3541,
0.3670


 62.3680, 0.3416,
0.3557

 13.2306, 0.3611,
0.3733


 83.2155, 0.3390,
0.3532

 7.5876, 0.3707,
0.3819


 108.2572, 0.3368,
0.3512

 3.8322, 0.3851,
0.3946

137.8773, 0.3349,
0.3495

 1.5801, 0.4122,
0.4186

172.4602, 0.3333,
0.3481

 0.3442, 0.5137,
0.4863

212.3905, 0.3319,

 0.0000, 0.0000,

0.3468

0.0000

258.0524, 0.3307,
0.3457

■ 31.7175, 0.3489,
0.3623

■ 31.7175, 0.3489,
0.3623

■ 29.3073, 0.3683,
0.3783

■ 34.3137, 0.3313,
0.3466

■ 27.0735, 0.3893,
0.3941

■ 37.0963, 0.3154,
0.3316

■ 25.0121, 0.4114,
0.4089

■ 40.0716, 0.3013,
0.3175

■ 23.1173, 0.4340,
0.4217

■ 43.2440, 0.2887,
0.3044

■ 21.3827, 0.4562,
0.4314

■ 46.6177, 0.2776,
0.2922

■ 19.8011, 0.4767,
0.4369

■ 50.1969, 0.2678,
0.2811

■ 18.3646, 0.4946,
0.4375

■ 53.9855, 0.2591,
0.2709

■ 17.2831, 0.5076,
0.4352

■ 57.5952, 0.2544,
0.2677

■ 60.6719, 0.2555,
0.2754

Harmonies

Analogous

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



31.7175, 0.3555, 0.3488



31.7175, 0.3489, 0.3623



31.7175, 0.3325, 0.3672

Triad

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



31.7175, 0.3489, 0.3623



31.7175, 0.2766, 0.3252



31.7175, 0.3130, 0.2996

Complementary

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



31.7175, 0.3489, 0.3623



27.0246, 0.2785, 0.2933

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.



31.7175, 0.2922, 0.2932



31.7175, 0.3489, 0.3623



31.7175, 0.2717, 0.3071

Square

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



31.7175, 0.3489, 0.3623



31.7175, 0.2909, 0.3453



31.7175, 0.2773, 0.2957



31.7175, 0.3344, 0.3132

Rectangle

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



31.7175, 0.3489, 0.3623



31.7175, 0.3185, 0.3643



31.7175, 0.2773, 0.2957



31.7175, 0.3057, 0.2966

Sweetspot

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



31.7189, 0.3489, 0.3623



63.7539, 0.3236, 0.3395



25.6955, 0.3389, 0.3071



13.8785, 0.3245, 0.3403



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.



31.7189, 0.3489, 0.3623



54.7590, 0.3577, 0.3698



36.1085, 0.3412, 0.3827



7.7729, 0.3270, 0.3427



13.1759, 0.5064, 0.4361



0.3645, 0.4678, 0.4668

Inverse Universe

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



27.0246, 0.2785, 0.2933



44.8875, 0.2707, 0.2845



23.3728, 0.2805, 0.2704



7.2902, 0.2987, 0.3149



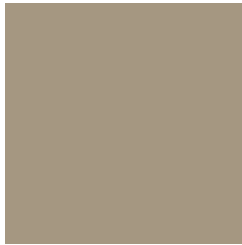
4.9295, 0.1684, 0.1263



0.1937, 0.1888, 0.1996

Previews

White Background



This preview shows how the Yxy color 31.7175, 0.3489, 0.3623 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 31.7175, 0.3489, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

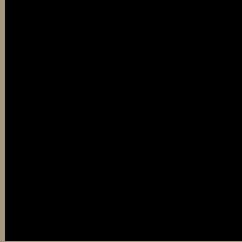
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7175, 0.3489, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 31.7175, 0.3489, 0.3623.



This preview shows how white text looks on a background with the Yxy color 31.7175, 0.3489, 0.3623.

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

31.7175, 0.3489, 0.3623

Protanopia

31.6452, 0.3433, 0.3627

Deuteranopia

31.7092, 0.3612, 0.3539



Tritanopia

31.7711, 0.3249, 0.3131

Trichromacy



Original Color

31.7175, 0.3489, 0.3623

Protanomaly

31.7496, 0.3444, 0.3626

Deuteranomaly

31.5622, 0.3565, 0.3557

Tritanomaly

31.6112, 0.3347, 0.3305

Monochromacy



Original Color

31.7175, 0.3489, 0.3623

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6382, 0.3254, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7175, 0.3489, 0.3623 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(165, 151, 129)` looks like.

```
.text, #text, p{  
    color:rgb(165, 151, 129)  
}
```

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(165, 151, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 151, 129) }
```

Border

The CSS property to change the border of an element to Yxy 31.7175, 0.3489, 0.3623 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(165, 151, 129) }
```

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

```
.border{ border-color:rgb(165, 151, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 151, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 151, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 151, 129);  
box-shadow:4px 4px 4px 4px rgb(165, 151,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7175, 0.3489, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 151, 129) }
```

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

```
.background{ background-color: rgb(165,  
151, 129) }
```

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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