

Converting Colors

$Yxy(31.8855, 0.3558, 0.3723)$

Have a look what the booklet for
Yxy(31.8855, 0.3558, 0.3723)
contains.

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Color

Yxy(31.9935, 0.3557, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	A6987B
RGB	166, 152, 123
RGB Percent	65%, 60%, 48%
CMY	0.3491, 0.4039, 0.5177
CMYK	0.00, 0.08, 0.26, 0.35
HSL	41°, 19%, 57%
HSV	41°, 26%, 65%
XYZ	30.5260, 31.9935, 23.3000
YIQ	152.8800, 17.6530, -6.0510

Conversions

Conversions Part 2

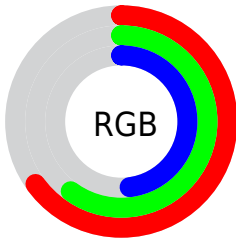
Format	Color
R_{YB}	144, 166, 123
Decimal	10918011
CIE Lab	63.34, 0.44, 17.16
CIE LCh	63, 17.168, 88.536
Yxy	31.9935, 0.3557, 0.3728
Android (android.graphics.Color)	4289108091 (0xFFA6987B)
YUV	152.8800, -14.7308, 11.5062
Hunter-Lab	56.5628, -2.6515, 15.1706

Details

The Yxy color **31.9935, 0.3557, 0.3728** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.8420, 0.2713, 0.2809**, and the grayscale version is **31.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6494, 0.3465, 0.3634**, and **13.3792, 0.3709, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **29.9024, 0.3748, 0.3903**, and if you desaturate by 10%, it is **34.2376, 0.3379, 0.3554**.

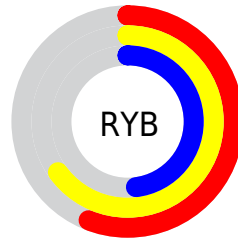
Distribution



Red (65%)

Green (60%)

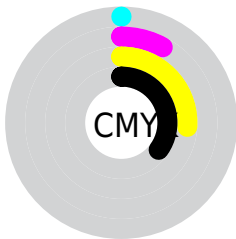
Blue (48%)



Red (56%)

Yellow (65%)

Blue (48%)

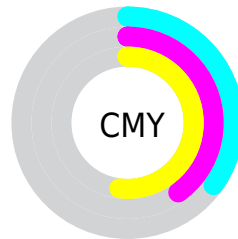


Cyan (0%)

Magenta (8%)

Yellow (26%)

Black (35%)



Cyan (35%)


Magenta (40%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9935, 0.3557, 0.3728 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 31.9935, 0.3557, 0.3728 by changing the saturation by 10% instead.


 31.9935, 0.3557,
0.3728


 31.9935, 0.3557,
0.3728


311.0896, 0.3329,
0.3496


 21.3565, 0.3618,
0.3790


 62.8009, 0.3471,
0.3641

 13.3849, 0.3699,
0.3871


 83.7401, 0.3440,
0.3609

 7.6941, 0.3810,
0.3984

 108.8822, 0.3414,
0.3582

 3.8998, 0.3972,
0.4147

138.6116, 0.3392,
0.3560

 1.6177, 0.4341,
0.4520

173.3126, 0.3373,
0.3541

 0.3695, 0.4948,
0.5052

213.3697, 0.3356,

 0.0000, 0.0000,

0.3524

0.0000

259.1673, 0.3342,
0.3509

■ 31.9935, 0.3557,
0.3728

■ 31.9935, 0.3557,
0.3728

■ 29.9024, 0.3748,
0.3903

■ 34.2376, 0.3379,
0.3554

■ 27.9553, 0.3949,
0.4071

■ 36.6348, 0.3216,
0.3386

■ 26.1489, 0.4154,
0.4225

■ 39.1905, 0.3069,
0.3226

■ 24.4777, 0.4356,
0.4354

■ 41.9087, 0.2936,
0.3076

■ 22.9359, 0.4545,
0.4447

■ 44.7931, 0.2818,
0.2937

■ 21.5167, 0.4712,
0.4495

■ 47.8473, 0.2712,
0.2809

■ 20.2118, 0.4850,
0.4495

■ 51.0747, 0.2618,
0.2691

■ 19.7033, 0.4903,
0.4489

■ 54.4288, 0.2539,
0.2591

■ 56.8926, 0.2547,
0.2657

Harmonies

Analogous

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



31.9935, 0.3665, 0.3568



31.9935, 0.3557, 0.3728



31.9935, 0.3334, 0.3773

Triad

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



31.9935, 0.3557, 0.3728



31.9935, 0.2655, 0.3198



31.9935, 0.3175, 0.2946

Complementary

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



31.9935, 0.3557, 0.3728



24.8420, 0.2713, 0.2809

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.



31.9935, 0.2907, 0.2848



31.9935, 0.3557, 0.3728



31.9935, 0.2616, 0.2981

Square

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



31.9935, 0.3557, 0.3728



31.9935, 0.2815, 0.3457



31.9935, 0.2706, 0.2858



31.9935, 0.3440, 0.3125

Rectangle

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



31.9935, 0.3557, 0.3728



31.9935, 0.3153, 0.3722



31.9935, 0.2706, 0.2858



31.9935, 0.3082, 0.2903

Sweetspot

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



31.9949, 0.3557, 0.3728



65.5017, 0.3251, 0.3423



24.0828, 0.3487, 0.3071



14.5134, 0.3275, 0.3447



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.



31.9949, 0.3557, 0.3728



55.8929, 0.3664, 0.3827



36.0488, 0.3437, 0.3938



8.3567, 0.3270, 0.3442



15.3695, 0.4895, 0.4495



0.4609, 0.4614, 0.4719

Inverse Universe

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



24.8420, 0.2713, 0.2809



40.7136, 0.2614, 0.2686



21.6726, 0.2764, 0.2583



7.6839, 0.2986, 0.3133



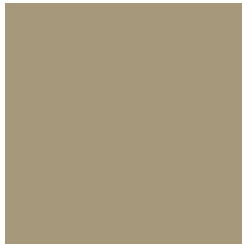
4.2541, 0.1636, 0.1088



0.1959, 0.1826, 0.1772

Previews

White Background



This preview shows how the Yxy color 31.9935, 0.3557, 0.3728 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 31.9935, 0.3557, 0.3728 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 31.9935, 0.3557, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 31.9935, 0.3557, 0.3728.

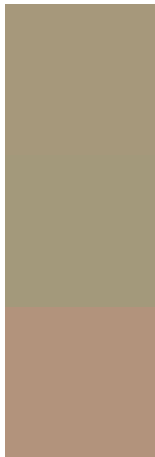


This preview shows how white text looks on a background with the Yxy color 31.9935, 0.3557, 0.3728.

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

31.9935, 0.3557, 0.3728

Protanopia

31.9991, 0.3521, 0.3747

Deuteranopia

31.7877, 0.3697, 0.3624



Tritanopia

31.9167, 0.3249, 0.3117

Trichromacy



Original Color

31.9935, 0.3557, 0.3728

Protanomaly

32.1050, 0.3532, 0.3745

Deuteranomaly

31.9488, 0.3645, 0.3658

Tritanomaly

32.0052, 0.3365, 0.3335

Monochromacy



Original Color

31.9935, 0.3557, 0.3728

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.0046, 0.3282, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9935, 0.3557, 0.3728 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(166, 152, 123)` looks like.

```
.text, #text, p{  
    color:rgb(166, 152, 123)  
}
```

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(166, 152, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 152, 123) }
```

Border

The CSS property to change the border of an element to Yxy 31.9935, 0.3557, 0.3728 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(166, 152, 123) }
```

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

```
.border{ border-color:rgb(166, 152, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 152, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 152, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 152, 123);  
box-shadow:4px 4px 4px 4px rgb(166, 152,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9935, 0.3557, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 152, 123) }
```

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

```
.background{ background-color: rgb(166,  
152, 123) }
```

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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