

Converting Colors

Yxy(31.6458, 0.3020, 0.3490)

Have a look what the booklet for
Yxy(31.6458, 0.3020, 0.3490)
contains.

Yxy(31.6490, 0.3022, 0.3500)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6490, 0.3022, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	879E91
RGB	135, 158, 145
RGB Percent	53%, 62%, 57%
CMY	0.4706, 0.3804, 0.4314
CMYK	0.15, 0.00, 0.08, 0.38
HSL	146°, 11%, 57%
HSV	146°, 15%, 62%
XYZ	27.3267, 31.6490, 31.4501
YIQ	149.6410, -9.5350, -8.9190

Conversions

Conversions Part 2

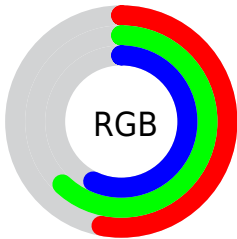
Format	Color
RYB	135, 151, 158
Decimal	8887953
CIELab	63.05, -10.74, 4.09
CIELCh	63, 11.489, 159.144
Yxy	31.6490, 0.3022, 0.3500
Android (android.graphics.Color)	4287078033 (0xFF879E91)
YUV	149.6410, -2.2880, -12.8402
Hunter-Lab	56.2574, -11.7454, 6.2348

Details

The Yxy color **31.6490, 0.3022, 0.3500** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7326, 0.3248, 0.3089**, and the grayscale version is **30.3514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4034, 0.3039, 0.3459**, and **13.2729, 0.2980, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **30.1707, 0.2953, 0.3665**, and if you desaturate by 10%, it is **33.3462, 0.3094, 0.3352**.

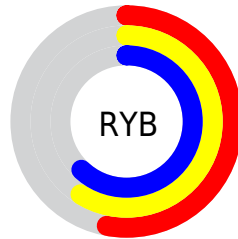
Distribution



Red (53%)

Green (62%)

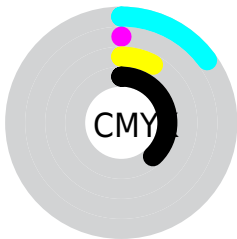
Blue (57%)



Red (53%)

Yellow (59%)

Blue (62%)

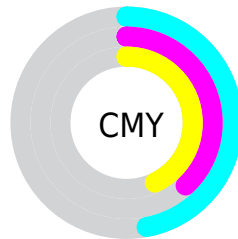


Cyan (15%)

Magenta (0%)

Yellow (8%)

Black (38%)



Cyan (47%)

Magenta (38%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6490, 0.3022, 0.3500 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 31.6490, 0.3022, 0.3500 by changing the saturation by 10% instead.

■ 31.6490, 0.3022,
0.3500

■ 31.6490, 0.3022,
0.3500

■ 309.5172, 0.3079,
0.3387

■ 21.0935, 0.3006,
0.3531

■ 62.2604, 0.3044,
0.3457

■ 13.1924, 0.2985,
0.3574

■ 83.0852, 0.3052,
0.3441

■ 7.5612, 0.2955,
0.3635

■ 108.1018, 0.3058,
0.3428

■ 3.8155, 0.2908,
0.3728

■ 137.6948, 0.3063,
0.3417

■ 1.5709, 0.2827,
0.3892

■ 172.2484, 0.3068,
0.3408

■ 0.3378, 0.1233,
0.7057

■ 212.1471, 0.3072,

■ 0.0000, 0.0000,

0.3400

0.0000

257.7752, 0.3076,
0.3393

■ 31.6490, 0.3022,
0.3500

■ 31.6490, 0.3022,
0.3500

■ 30.1707, 0.2953,
0.3665

■ 33.3462, 0.3094,
0.3352

■ 28.8982, 0.2888,
0.3845

■ 35.2668, 0.3167,
0.3220

■ 27.8232, 0.2831,
0.4041

■ 37.4201, 0.3238,
0.3104

■ 26.9352, 0.2785,
0.4249

■ 39.8138, 0.3308,
0.3002

■ 26.2227, 0.2753,
0.4465

■ 42.4551, 0.3376,
0.2912

■ 25.6729, 0.2738,
0.4682

■ 45.3510, 0.3440,
0.2833

■ 25.2711, 0.2742,
0.4895

■ 48.5082, 0.3501,
0.2765

■ 24.9994, 0.2763,
0.5097

■ 50.7002, 0.3502,
0.2693

■ 24.8817, 0.2778,
0.5201

■ 51.1766, 0.3421,
0.2609

Harmonies

Analogous

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



31.6490, 0.3205, 0.3597



31.6490, 0.3022, 0.3500



31.6490, 0.2870, 0.3342

Triad

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



31.6490, 0.3022, 0.3500



31.6490, 0.2883, 0.2985



31.6490, 0.3480, 0.3389

Complementary

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



31.6490, 0.3022, 0.3500



26.7326, 0.3248, 0.3089

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.



31.6490, 0.3389, 0.3232



31.6490, 0.3022, 0.3500



31.6490, 0.3041, 0.3004

Square

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



31.6490, 0.3022, 0.3500



31.6490, 0.2792, 0.3045



31.6490, 0.3227, 0.3093



31.6490, 0.3473, 0.3526

Rectangle

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



31.6490, 0.3022, 0.3500



31.6490, 0.2805, 0.3228



31.6490, 0.3227, 0.3093



31.6490, 0.3460, 0.3337

Sweetspot

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



31.6503, 0.3022, 0.3500



60.7112, 0.3098, 0.3345



32.5045, 0.3238, 0.3652



13.6338, 0.3092, 0.3355



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.



31.6503, 0.3022, 0.3500



56.6893, 0.3002, 0.3544



32.0229, 0.2924, 0.3314



7.4465, 0.3060, 0.3419



19.9329, 0.2774, 0.5185



0.3647, 0.2560, 0.4414

Inverse Universe

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



26.7326, 0.3248, 0.3089



46.2665, 0.3275, 0.3049



26.3866, 0.3373, 0.3267



6.7058, 0.3200, 0.3164



6.4126, 0.4645, 0.2333



0.1231, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 31.6490, 0.3022, 0.3500 looks on a white background.

Color Contrast Check

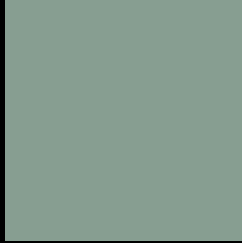
Large Text (above 18pt) WCAG AA × Fail

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 31.6490, 0.3022, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

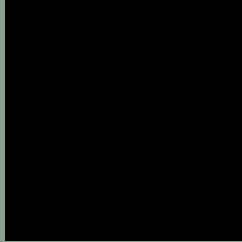
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

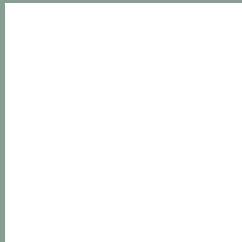
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6490, 0.3022, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 31.6490, 0.3022, 0.3500.



This preview shows how white text looks on a background with the Yxy color 31.6490, 0.3022, 0.3500.

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

31.6490, 0.3022, 0.3500

Protanopia

31.6786, 0.3284, 0.3443

Deuteranopia

31.4090, 0.3359, 0.3291



Tritanopia

31.7217, 0.2871, 0.3104

Trichromacy



Original Color

31.6490, 0.3022, 0.3500

Protanomaly

31.5784, 0.3189, 0.3462

Deuteranomaly

31.3766, 0.3236, 0.3367

Tritanomaly

31.6834, 0.2930, 0.3242

Monochromacy



Original Color

31.6490, 0.3022, 0.3500

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.9403, 0.3094, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6490, 0.3022, 0.3500 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(135, 158, 145)` looks like.

```
.text, #text, p{  
    color:rgb(135, 158, 145)  
}
```

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(135, 158, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 158, 145) }
```

Border

The CSS property to change the border of an element to Yxy 31.6490, 0.3022, 0.3500 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(135, 158, 145) }
```

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

```
.border{ border-color:rgb(135, 158, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 158, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 158, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 158, 145);  
box-shadow:4px 4px 4px 4px rgb(135, 158,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6490, 0.3022, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 158, 145) }
```

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

```
.background{ background-color: rgb(135,  
158, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor