

Converting Colors

$Yxy(31.8154, 0.2798, 0.3497)$

Have a look what the booklet for
Yxy(31.8154, 0.2798, 0.3497)
contains.

Yxy(31.9738, 0.2801, 0.3506)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9738, 0.2801, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	72A396
RGB	114, 163, 150
RGB Percent	45%, 64%, 59%
CMY	0.5528, 0.3608, 0.4118
CMYK	0.30, 0.00, 0.08, 0.36
HSL	164°, 21%, 54%
HSV	164°, 30%, 64%
XYZ	25.5444, 31.9738, 33.6792
YIQ	146.8670, -25.0310, -14.4310

Conversions

Conversions Part 2

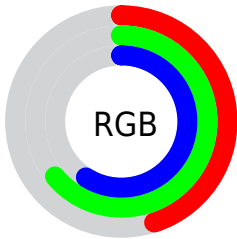
Format	Color
RYB	114, 142, 163
Decimal	7512982
CIELab	63.32, -19.23, 1.50
CIELCh	63, 19.293, 175.533
Yxy	31.9738, 0.2801, 0.3506
Android (android.graphics.Color)	4285703062 (0xFF72A396)
YUV	146.8670, 1.5446, -28.8244
Hunter-Lab	56.5454, -18.3170, 4.2678

Details

The Yxy color **31.9738, 0.2801, 0.3506** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3608, 0.3606, 0.3086**, and the grayscale version is **29.1240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7179, 0.2866, 0.3463**, and **13.3597, 0.2697, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **30.8405, 0.2709, 0.3590**, and if you desaturate by 10%, it is **33.3096, 0.2903, 0.3428**.

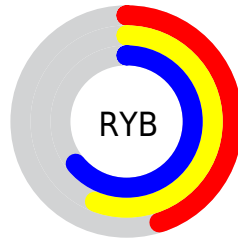
Distribution



Red (45%)

Green (64%)

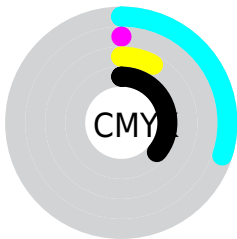
Blue (59%)



Red (45%)

Yellow (56%)

Blue (64%)

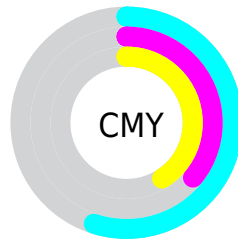


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (36%)



Cyan (55%)


Magenta (36%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9738, 0.2801, 0.3506 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 31.9738, 0.2801, 0.3506 by changing the saturation by 10% instead.


 31.9738, 0.2801,
0.3506


 31.9738, 0.2801,
0.3506


310.9999, 0.2974,
0.3391

 21.3415, 0.2754,
0.3538


 62.7700, 0.2867,
0.3462

 13.3738, 0.2691,
0.3580


 83.7027, 0.2891,
0.3446

 7.6865, 0.2603,
0.3640


 108.8376, 0.2910,
0.3433

 3.8950, 0.2471,
0.3731

138.5592, 0.2927,
0.3422

 1.6150, 0.2250,
0.3885

173.2518, 0.2942,
0.3412

 0.3677, 0.0000,
0.5546

213.2999, 0.2954,

 0.0000, 0.0000,

0.3404

0.0000

259.0878, 0.2965,
0.3397

■ 31.9738, 0.2801,
0.3506

■ 31.9738, 0.2801,
0.3506

■ 30.8405, 0.2709,
0.3590

■ 33.3096, 0.2903,
0.3428

■ 29.8955, 0.2629,
0.3680

■ 34.8537, 0.3013,
0.3356

■ 29.1287, 0.2566,
0.3774


■ 36.6164, 0.3127,
0.3290

■ 28.5274, 0.2519,
0.3871


■ 38.6061, 0.3243,
0.3232


■ 28.0775, 0.2492,
0.3969

■ 40.8308, 0.3360,
0.3179


 27.7621, 0.2484,
0.4067

 43.2983, 0.3475,
0.3133

 27.5432, 0.2490,
0.4164

 46.0156, 0.3588,
0.3092

 48.9899, 0.3698,
0.3057

 51.1250, 0.3752,
0.3020

Harmonies

Analogous

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



31.9738, 0.3083, 0.3742



31.9738, 0.2801, 0.3506



31.9738, 0.2611, 0.3213

Triad

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



31.9738, 0.2801, 0.3506



31.9738, 0.2852, 0.2792



31.9738, 0.3736, 0.3577

Complementary

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



31.9738, 0.2801, 0.3506



21.3608, 0.3606, 0.3086

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.



31.9738, 0.3671, 0.3328



31.9738, 0.2801, 0.3506



31.9738, 0.3148, 0.2890

Square

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



31.9738, 0.2801, 0.3506



31.9738, 0.2639, 0.2814



31.9738, 0.3451, 0.3081



31.9738, 0.3629, 0.3768

Rectangle

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



31.9738, 0.2801, 0.3506



31.9738, 0.2557, 0.3036



31.9738, 0.3451, 0.3081



31.9738, 0.3734, 0.3497

Sweetspot

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



31.9751, 0.2801, 0.3506



62.6825, 0.3022, 0.3350



31.9280, 0.3209, 0.4114



13.9852, 0.3007, 0.3359



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.



31.9751, 0.2801, 0.3506



55.8814, 0.2739, 0.3561



28.5415, 0.2683, 0.3099



7.9790, 0.3021, 0.3350



21.4146, 0.2488, 0.4155



0.4571, 0.2390, 0.3803

Inverse Universe

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



21.3608, 0.3606, 0.3086



33.7900, 0.3756, 0.3039



23.7849, 0.3728, 0.3473



7.1154, 0.3245, 0.3231



6.1953, 0.5835, 0.2988



0.1375, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 31.9738, 0.2801, 0.3506 looks on a white background.

Color Contrast Check

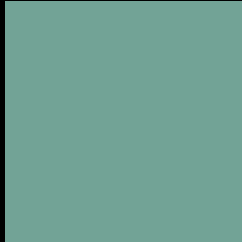
Large Text (above 18pt) WCAG AA × Fail

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 31.9738, 0.2801, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

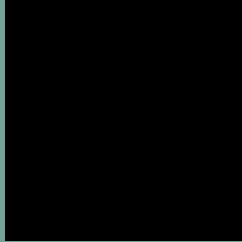
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9738, 0.2801, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 31.9738, 0.2801, 0.3506.

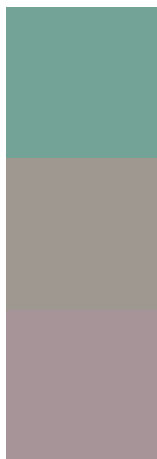


This preview shows how white text looks on a background with the Yxy color 31.9738, 0.2801, 0.3506.

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

31.9738, 0.2801, 0.3506

Protanopia

31.7392, 0.3264, 0.3412

Deuteranopia

31.6952, 0.3276, 0.3217



Tritanopia

32.0421, 0.2671, 0.3098

Trichromacy



Original Color

31.9738, 0.2801, 0.3506

Protanomaly

31.6030, 0.3081, 0.3449

Deuteranomaly

31.3454, 0.3087, 0.3305

Tritanomaly

31.9520, 0.2716, 0.3240

Monochromacy



Original Color

31.9738, 0.2801, 0.3506

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.0715, 0.2996, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9738, 0.2801, 0.3506 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(114, 163, 150)` looks like.

```
.text, #text, p{  
    color:rgb(114, 163, 150)  
}
```

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(114, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 163, 150) }
```

Border

The CSS property to change the border of an element to Yxy 31.9738, 0.2801, 0.3506 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(114, 163, 150) }
```

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

```
.border{ border-color:rgb(114, 163, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 163, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(114, 163,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9738, 0.2801, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 163, 150) }
```

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

```
.background{ background-color: rgb(114,  
163, 150) }
```

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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