

Converting Colors

$Yxy(31.4703, 0.2807, 0.3421)$

Have a look what the booklet for
Yxy(31.4703, 0.2807, 0.3421)
contains.

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Color

Yxy(31.6412, 0.2808, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	76A199
RGB	118, 161, 153
RGB Percent	46%, 63%, 60%
CMY	0.5370, 0.3687, 0.4000
CMYK	0.27, 0.00, 0.05, 0.37
HSL	169°, 19%, 55%
HSV	169°, 27%, 63%
XYZ	25.9715, 31.6412, 34.8784
YIQ	147.2310, -23.0600, -11.6040

Conversions

Conversions Part 2

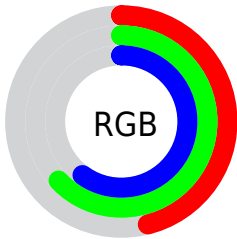
Format	Color
RYB	118, 142, 161
Decimal	7774617
CIELab	63.05, -16.26, -0.56
CIElCh	63, 16.266, 181.973
Yxy	31.6412, 0.2808, 0.3421
Android (android.graphics.Color)	4285964697 (0xFF76A199)
YUV	147.2310, 2.8441, -25.6356
Hunter-Lab	56.2505, -16.0229, 2.6123

Details

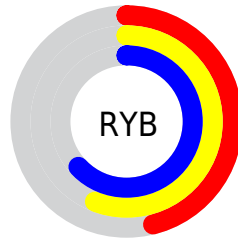
The Yxy color **31.6412, 0.2808, 0.3421** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0530, 0.3580, 0.3164**, and the grayscale version is **29.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2747, 0.2872, 0.3400**, and **13.1255, 0.2702, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **30.5116, 0.2704, 0.3478**, and if you desaturate by 10%, it is **32.9683, 0.2922, 0.3368**.

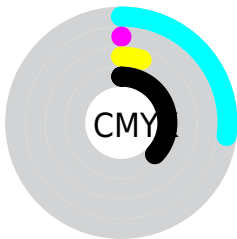
Distribution



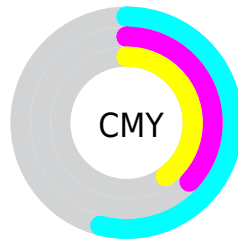
- Red (46%)
- Green (63%)
- Blue (60%)



- Red (46%)
- Yellow (56%)
- Blue (63%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (37%)




- Cyan (54%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6412, 0.2808, 0.3421 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 31.6412, 0.2808, 0.3421 by changing the saturation by 10% instead.


 31.6412, 0.2808,
0.3421


 31.6412, 0.2808,
0.3421


309.4815, 0.2977,
0.3352

 21.0876, 0.2762,
0.3440


 62.2482, 0.2872,
0.3395

 13.1880, 0.2701,
0.3464


 83.0703, 0.2895,
0.3385

 7.5582, 0.2616,
0.3499


 108.0841, 0.2915,
0.3378

 3.8136, 0.2488,
0.3550

137.6740, 0.2931,
0.3371

 1.5698, 0.2276,
0.3634

172.2242, 0.2945,
0.3365

 0.3371, 0.0000,
0.4535

212.1193, 0.2957,

 0.0000, 0.0000,

0.3360

0.0000

257.7436, 0.2968,
0.3356

■ 31.6412, 0.2808,
0.3421

■ 31.6412, 0.2808,
0.3421

■ 30.5116, 0.2704,
0.3478

■ 32.9683, 0.2922,
0.3368

■ 29.5658, 0.2613,
0.3538

■ 34.4980, 0.3043,
0.3320

■ 28.7945, 0.2537,
0.3601

■ 36.2403, 0.3170,
0.3276

■ 28.1859, 0.2478,
0.3666

■ 38.2030, 0.3298,
0.3236

■ 27.7269, 0.2438,
0.3732

■ 40.3939, 0.3427,
0.3201

■ 27.4021, 0.2417,
0.3798

■ 42.8201, 0.3554,
0.3170

■ 27.1890, 0.2413,
0.3864

■ 45.4886, 0.3679,
0.3143

■ 27.1272, 0.2413,
0.3886

■ 48.4060, 0.3800,
0.3119

■ 50.0403, 0.3846,
0.3093

Harmonies

Analogous

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



31.6412, 0.3036, 0.3635



31.6412, 0.2808, 0.3421



31.6412, 0.2667, 0.3176

Triad

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



31.6412, 0.2808, 0.3421



31.6412, 0.2945, 0.2875



31.6412, 0.3634, 0.3577

Complementary

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



31.6412, 0.2808, 0.3421



22.0530, 0.3580, 0.3164

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.



31.6412, 0.3610, 0.3372



31.6412, 0.2808, 0.3421



31.6412, 0.3203, 0.2978

Square

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



31.6412, 0.2808, 0.3421



31.6412, 0.2743, 0.2872



31.6412, 0.3450, 0.3156



31.6412, 0.3516, 0.3718

Rectangle

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



31.6412, 0.2808, 0.3421



31.6412, 0.2638, 0.3035



31.6412, 0.3450, 0.3156



31.6412, 0.3642, 0.3513

Sweetspot

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



31.6425, 0.2808, 0.3421



61.3608, 0.3025, 0.3327



31.2808, 0.3173, 0.4016



13.3678, 0.3007, 0.3334



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.



31.6425, 0.2808, 0.3421



55.4330, 0.2745, 0.3454



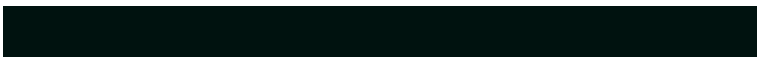
27.6428, 0.2727, 0.3074



7.9886, 0.3011, 0.3332



21.6736, 0.2411, 0.3880



0.4609, 0.2345, 0.3642

Inverse Universe

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



22.0530, 0.3580, 0.3164



35.3260, 0.3719, 0.3135



25.1007, 0.3632, 0.3496



7.1065, 0.3257, 0.3248



6.1308, 0.6072, 0.3118



0.1344, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 31.6412, 0.2808, 0.3421 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 31.6412, 0.2808, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

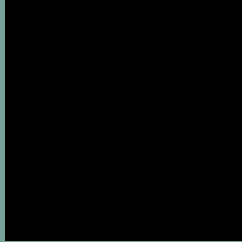
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

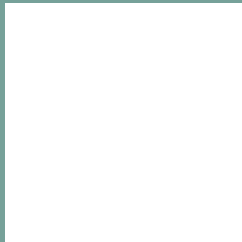
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6412, 0.2808, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 31.6412, 0.2808, 0.3421.

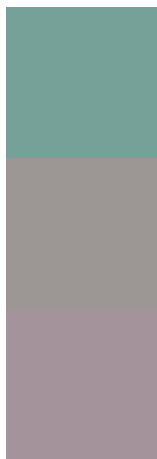


This preview shows how white text looks on a background with the Yxy color 31.6412, 0.2808, 0.3421.

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

31.6412, 0.2808, 0.3421

Protanopia

31.3393, 0.3207, 0.3336

Deuteranopia

31.2671, 0.3227, 0.3158



Tritanopia

31.5316, 0.2698, 0.3082

Trichromacy



Original Color

31.6412, 0.2808, 0.3421

Protanomaly

31.3955, 0.3045, 0.3369

Deuteranomaly

31.1189, 0.3060, 0.3243

Tritanomaly

31.5416, 0.2745, 0.3208

Monochromacy



Original Color

31.6412, 0.2808, 0.3421

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8606, 0.2997, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6412, 0.2808, 0.3421 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(118, 161, 153)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 153)  
}
```

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(118, 161, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 153) }
```

Border

The CSS property to change the border of an element to Yxy 31.6412, 0.2808, 0.3421 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(118, 161, 153) }
```

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

```
.border{ border-color:rgb(118, 161, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 161, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 161, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 161, 153);  
box-shadow:4px 4px 4px 4px rgb(118, 161,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6412, 0.2808, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 153) }
```

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

```
.background{ background-color: rgb(118,  
161, 153) }
```

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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