

Converting Colors

$Y_{xy}(31.5100, 0.2872, 0.2868)$

Have a look what the booklet for
Yxy(31.5100, 0.2872, 0.2868)
contains.

Yxy(31.5514, 0.2868, 0.2862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.5514, 0.2868, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	9696B3
RGB	150, 150, 179
RGB Percent	59%, 59%, 70%
CMY	0.4119, 0.4117, 0.2980
CMYK	0.16, 0.16, 0.00, 0.30
HSL	240°, 16%, 65%
HSV	240°, 16%, 70%
XYZ	31.6175, 31.5514, 47.0735
YIQ	153.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

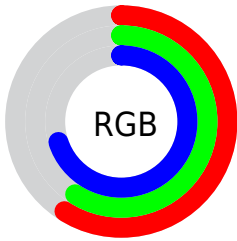
Format	Color
R_{YB}	150, 150, 179
Decimal	9868979
CIE Lab	62.97, 6.05, -15.07
CIE LCh	63, 16.244, 291.884
Yxy	31.5514, 0.2868, 0.2862
Android (android.graphics.Color)	4288059059 (0xFF9696B3)
YUV	153.3060, 12.6671, -2.8994
Hunter-Lab	56.1706, 2.1762, -10.3683

Details

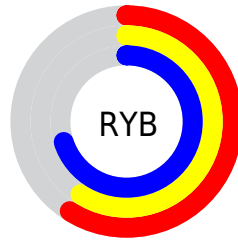
The Yxy color **31.5514, 0.2868, 0.2862** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.0140, 0.3366, 0.3685**, and the grayscale version is **31.9415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0213, 0.2916, 0.2942**, and **13.0827, 0.2785, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **24.7046, 0.2682, 0.2555**, and if you desaturate by 10%, it is **39.5308, 0.3034, 0.3136**.

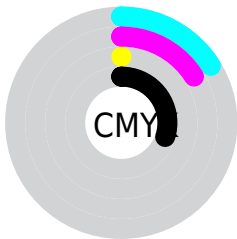
Distribution



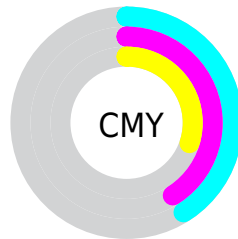
- Red (59%)
- Green (59%)
- Blue (70%)



- Red (59%)
- Yellow (59%)
- Blue (70%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (41%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5514, 0.2868, 0.2862 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 31.5514, 0.2868, 0.2862 by changing the saturation by 10% instead.

■ 31.5514, 0.2868,
0.2862

■ 31.5514, 0.2868,
0.2862

■ 309.0706, 0.3006,
0.3085

■ 21.0191, 0.2831,
0.2803

■ 62.1072, 0.2920,
0.2945

■ 13.1380, 0.2781,
0.2726

■ 82.8994, 0.2939,
0.2976

■ 7.5236, 0.2711,
0.2620

■ 107.8804, 0.2955,
0.3002

■ 3.7917, 0.2606,
0.2466

■ 137.4345, 0.2969,
0.3023

■ 1.5577, 0.2436,
0.2223

■ 171.9463, 0.2980,
0.3042

■ 0.3288, 0.2025,
0.1446

■ 211.7999, 0.2990,

■ 0.0000, 0.0000,

0.3058

0.0000

257.3799, 0.2999,
0.3073

■ 31.5514, 0.2868,
0.2862

■ 31.5514, 0.2868,
0.2862

■ 24.7046, 0.2682,
0.2555

■ 39.5308, 0.3034,
0.3136

■ 18.9356, 0.2480,
0.2221

■ 48.6868, 0.3180,
0.3377

■ 14.1905, 0.2268,
0.1870

■ 59.0656, 0.3306,
0.3586

■ 10.4095, 0.2057,
0.1522

■ 70.7101, 0.3415,
0.3766

■ 7.5267, 0.1863,
0.1201

■ 83.6608, 0.3509,
0.3920

■ 5.4678, 0.1701,
0.0933

■ 96.0349, 0.3579,
0.4037

■ 4.1465, 0.1585,
0.0740

■ 3.4500, 0.1519,
0.0632

■ 3.2595, 0.1500,
0.0601

Harmonies

Analogous

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



31.5514, 0.2697, 0.2896



31.5514, 0.2868, 0.2862



31.5514, 0.3114, 0.2933

Triad

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



31.5514, 0.2868, 0.2862



31.5514, 0.3642, 0.3512



31.5514, 0.2877, 0.3500

Complementary

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



31.5514, 0.2868, 0.2862



44.0140, 0.3366, 0.3685

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.



31.5514, 0.3123, 0.3686



31.5514, 0.2868, 0.2862



31.5514, 0.3570, 0.3681

Square

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



31.5514, 0.2868, 0.2862



31.5514, 0.3570, 0.3298



31.5514, 0.3378, 0.3750



31.5514, 0.2702, 0.3257

Rectangle

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



31.5514, 0.2868, 0.2862



31.5514, 0.3290, 0.3030



31.5514, 0.3378, 0.3750



31.5514, 0.2954, 0.3573

Sweetspot

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



31.5527, 0.2868, 0.2862



72.5434, 0.3052, 0.3165



41.9593, 0.2890, 0.3296



15.8335, 0.3041, 0.3148



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5527, 0.2868, 0.2862



52.4872, 0.2812, 0.2770



32.9532, 0.3000, 0.2878



8.2317, 0.2985, 0.3055



2.3038, 0.1500, 0.0601



0.0730, 0.1502, 0.0605

Inverse Universe

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



33.5918, 0.3428, 0.3290



56.7451, 0.3499, 0.3291



42.4400, 0.3239, 0.3702



8.5054, 0.3287, 0.3290



6.7727, 0.6399, 0.3299



0.2132, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 31.5514, 0.2868, 0.2862 looks on a white background.

Color Contrast Check

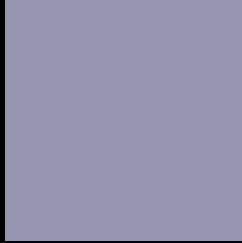
Large Text (above 18pt) WCAG AA × Fail

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 31.5514, 0.2868, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

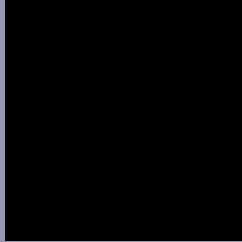
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

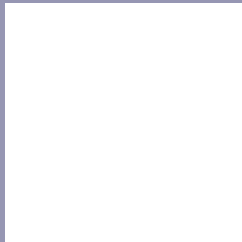
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5514, 0.2868, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 31.5514, 0.2868, 0.2862.



This preview shows how white text looks on a background with the Yxy color 31.5514, 0.2868, 0.2862.

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

31.5514, 0.2868, 0.2862

Protanopia

31.6315, 0.2833, 0.2860

Deuteranopia

31.6196, 0.2905, 0.2852



Tritanopia

31.3761, 0.2961, 0.3091

Trichromacy



Original Color

31.5514, 0.2868, 0.2862

Protanomaly

31.7244, 0.2842, 0.2861

Deuteranomaly

31.5219, 0.2896, 0.2850

Tritanomaly

31.3314, 0.2927, 0.3003

Monochromacy



Original Color

31.5514, 0.2868, 0.2862

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7405, 0.3036, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5514, 0.2868, 0.2862 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(150, 150, 179)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 179)  
}
```

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(150, 150, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.5514, 0.2868, 0.2862 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(150, 150, 179) }
```

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

```
.border{ border-color:rgb(150, 150, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 150, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 150, 179); box-shadow:4px 4px 4px 4px rgb(150, 150, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5514, 0.2868, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 179) }
```

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

```
.background{ background-color: rgb(150,  
150, 179) }
```

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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