

Converting Colors

$Y_{xy}(31.5700, 0.2829, 0.2855)$

Have a look what the booklet for
Yxy(31.5700, 0.2829, 0.2855)
contains.

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Color

Yxy(31.6315, 0.2833, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	9397B4
RGB	147, 151, 180
RGB Percent	58%, 59%, 71%
CMY	0.4237, 0.4078, 0.2941
CMYK	0.18, 0.16, 0.00, 0.29
HSL	233°, 18%, 64%
HSV	233°, 18%, 71%
XYZ	31.3329, 31.6315, 47.6353
YIQ	153.1100, -11.6930, 8.1710

Conversions

Conversions Part 2

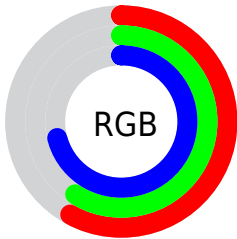
Format	Color
R _Y B	147, 151, 180
Decimal	9672628
CIE Lab	63.04, 4.72, -15.56
CIE LCh	63, 16.259, 286.891
Yxy	31.6315, 0.2833, 0.2860
Android (android.graphics.Color)	4287862708 (0xFF9397B4)
YUV	153.1100, 13.2568, -5.3585
Hunter-Lab	56.2419, 1.0207, -10.8476

Details

The Yxy color **31.6315, 0.2833, 0.2860** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.8428, 0.3408, 0.3686**, and the grayscale version is **31.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1363, 0.2889, 0.2940**, and **13.1334, 0.2737, 0.2721** is the 20% darker color. If you saturate the color by 10%, you get **25.3487, 0.2650, 0.2586**, and if you desaturate by 10%, it is **38.8585, 0.3000, 0.3106**.

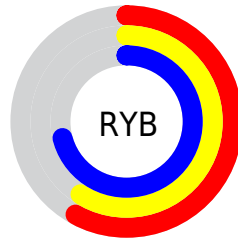
Distribution



Red (58%)

Green (59%)

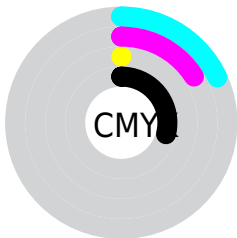
Blue (71%)



Red (58%)

Yellow (59%)

Blue (71%)

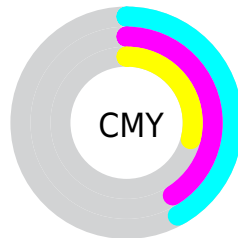


Cyan (18%)

Magenta (16%)

Yellow (0%)

Black (29%)



Cyan (42%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6315, 0.2833, 0.2860 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 31.6315, 0.2833, 0.2860 by changing the saturation by 10% instead.

■ 31.6315, 0.2833,
0.2860

■ 31.6315, 0.2833,
0.2860

■ 309.4372, 0.2989,
0.3085

■ 21.0802, 0.2791,
0.2801

■ 62.2329, 0.2892,
0.2944

■ 13.1826, 0.2735,
0.2723

■ 83.0519, 0.2914,
0.2975

■ 7.5544, 0.2657,
0.2616

■ 108.0621, 0.2931,
0.3001

■ 3.8112, 0.2541,
0.2460

■ 137.6481, 0.2947,
0.3023

■ 1.5685, 0.2353,
0.2215

■ 172.1942, 0.2960,
0.3041

■ 0.3362, 0.1881,
0.1454

■ 212.0848, 0.2971,

■ 0.0000, 0.0000,

0.3058

0.0000

257.7044, 0.2981,
0.3072

■ 31.6315, 0.2833,
0.2860

■ 31.6315, 0.2833,
0.2860

■ 25.3487, 0.2650,
0.2586

■ 38.8585, 0.3000,
0.3106

■ 19.9671, 0.2455,
0.2287

■ 47.0625, 0.3151,
0.3324

■ 15.4464, 0.2255,
0.1972

■ 56.2794, 0.3284,
0.3514

■ 11.7417, 0.2057,
0.1653

■ 66.5423, 0.3402,
0.3679

■ 8.8036, 0.1875,
0.1349

■ 77.8826, 0.3506,
0.3822

■ 6.5778, 0.1722,
0.1079

■ 90.3306, 0.3597,
0.3945

■ 5.0022, 0.1608,
0.0863

■ 96.0754, 0.3573,
0.4028

■ 3.9949, 0.1536,
0.0712

■ 3.8711, 0.1526,
0.0693

Harmonies

Analogous

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



31.6315, 0.2679, 0.2912



31.6315, 0.2833, 0.2860



31.6315, 0.3070, 0.2915

Triad

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



31.6315, 0.2833, 0.2860



31.6315, 0.3640, 0.3478



31.6315, 0.2915, 0.3538

Complementary

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



31.6315, 0.2833, 0.2860



42.8428, 0.3408, 0.3686

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.



31.6315, 0.3167, 0.3706



31.6315, 0.2833, 0.2860



31.6315, 0.3591, 0.3659

Square

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



31.6315, 0.2833, 0.2860



31.6315, 0.3544, 0.3261



31.6315, 0.3416, 0.3748



31.6315, 0.2725, 0.3298

Rectangle

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



31.6315, 0.2833, 0.2860



31.6315, 0.3247, 0.3003



31.6315, 0.3416, 0.3748



31.6315, 0.2995, 0.3605

Sweetspot

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



31.6328, 0.2833, 0.2860



73.6471, 0.3036, 0.3158



41.9624, 0.2888, 0.3352



15.7206, 0.3026, 0.3143



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.



31.6328, 0.2833, 0.2860



52.5696, 0.2761, 0.2753



31.5315, 0.2944, 0.2814



8.3923, 0.2985, 0.3084



2.7569, 0.1529, 0.0705



0.1402, 0.1629, 0.1063

Inverse Universe

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



32.7955, 0.3435, 0.3234



55.1438, 0.3521, 0.3221



43.0621, 0.3288, 0.3755



8.5216, 0.3268, 0.3262



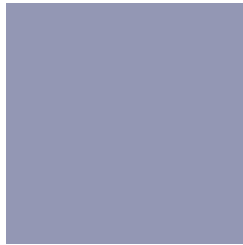
6.8184, 0.6224, 0.3202



0.2199, 0.5665, 0.2894

Previews

White Background



This preview shows how the Yxy color 31.6315, 0.2833, 0.2860 looks on a white background.

Color Contrast Check

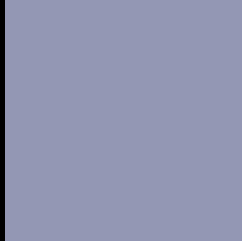
Large Text (above 18pt) WCAG AA × Fail

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 31.6315, 0.2833, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

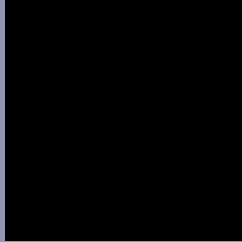
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

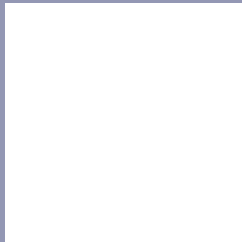
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6315, 0.2833, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 31.6315, 0.2833, 0.2860.



This preview shows how white text looks on a background with the Yxy color 31.6315, 0.2833, 0.2860.

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

31.6315, 0.2833, 0.2860

Protanopia

31.6315, 0.2833, 0.2860

Deuteranopia

31.6602, 0.2896, 0.2838



Tritanopia

31.4649, 0.2924, 0.3090

Trichromacy



Original Color

31.6315, 0.2833, 0.2860

Protanomaly

31.6315, 0.2833, 0.2860

Deuteranomaly

31.6873, 0.2869, 0.2849

Tritanomaly

31.4165, 0.2891, 0.3001

Monochromacy



Original Color

31.6315, 0.2833, 0.2860

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6801, 0.3017, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6315, 0.2833, 0.2860 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(147, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(147, 151, 180)  
}
```

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(147, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 151, 180) }
```

Border

The CSS property to change the border of an element to Yxy 31.6315, 0.2833, 0.2860 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(147, 151, 180) }
```

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

```
.border{ border-color:rgb(147, 151, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 151, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(147, 151,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6315, 0.2833, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 151, 180) }
```

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

```
.background{ background-color: rgb(147,  
151, 180) }
```

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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