

Converting Colors

$Y_{xy}(32.0090, 0.2959, 0.3186)$

Have a look what the booklet for
Yxy(32.0090, 0.2959, 0.3186)
contains.

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Color

Yxy(31.9806, 0.2959, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	909BA2
RGB	144, 155, 162
RGB Percent	56%, 61%, 64%
CMY	0.4354, 0.3921, 0.3647
CMYK	0.11, 0.04, 0.00, 0.36
HSL	203°, 9%, 60%
HSV	203°, 11%, 64%
XYZ	29.7393, 31.9806, 38.7848
YIQ	152.5090, -8.8030, -0.1550

Conversions

Conversions Part 2

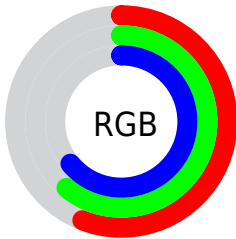
Format	Color
RYB	144, 151, 162
Decimal	9477026
CIELab	63.33, -2.48, -5.00
CIELCh	63, 5.586, 243.613
Yxy	31.9806, 0.2959, 0.3182
Android (android.graphics.Color)	4287667106 (0xFF909BA2)
YUV	152.5090, 4.6791, -7.4624
Hunter-Lab	56.5514, -5.0950, -1.0770

Details

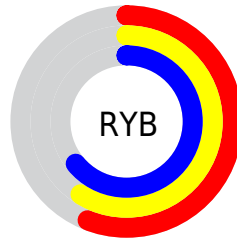
The Yxy color **31.9806, 0.2959, 0.3182** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8091, 0.3308, 0.3396**, and the grayscale version is **31.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6164, 0.2992, 0.3197**, and **13.4061, 0.2915, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **28.5928, 0.2806, 0.3074**, and if you desaturate by 10%, it is **35.6888, 0.3110, 0.3280**.

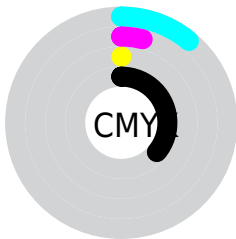
Distribution



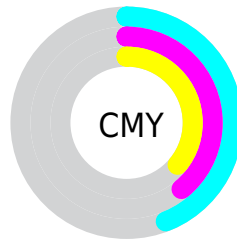
- Red (56%)
- Green (61%)
- Blue (64%)



- Red (56%)
- Yellow (59%)
- Blue (64%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (44%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9806, 0.2959, 0.3182 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 31.9806, 0.2959, 0.3182 by changing the saturation by 10% instead.

■ 31.9806, 0.2959,
0.3182

■ 31.9806, 0.2959,
0.3182

311.0309, 0.3048,
0.3240

■ 21.3467, 0.2935,
0.3166

■ 62.7807, 0.2993,
0.3204

■ 13.3777, 0.2903,
0.3145

■ 83.7156, 0.3005,
0.3212

■ 7.6891, 0.2858,
0.3115

108.8530, 0.3015,
0.3219

■ 3.8967, 0.2792,
0.3070

138.5773, 0.3024,
0.3224

■ 1.6159, 0.2681,
0.2993

173.2728, 0.3031,
0.3229

■ 0.3683, 0.2055,
0.2615

213.3240, 0.3037,

■ 0.0000, 0.0000,

0.3233

0.0000

259.1152, 0.3043,
0.3237

■ 31.9806, 0.2959,
0.3182

■ 31.9806, 0.2959,
0.3182

■ 28.5928, 0.2806,
0.3074

■ 35.6888, 0.3110,
0.3280

■ 25.5110, 0.2653,
0.2956

■ 39.7233, 0.3257,
0.3367

■ 22.7252, 0.2503,
0.2829

■ 44.0950, 0.3399,
0.3445

■ 20.2235, 0.2361,
0.2693

■ 48.8128, 0.3534,
0.3514

■ 17.9929, 0.2230,
0.2550

■ 53.8855, 0.3661,
0.3574

■ 16.0191, 0.2114,
0.2404

■ 59.3212, 0.3782,
0.3627

■ 14.2860, 0.2017,
0.2256

■ 64.6775, 0.3875,
0.3677

■ 12.7750, 0.1940,
0.2110

■ 67.6219, 0.3851,
0.3740

■ 11.5843, 0.1884,
0.1983

■ 70.6867, 0.3828,
0.3802

Harmonies

Analogous

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



31.9806, 0.2965, 0.3250



31.9806, 0.2959, 0.3182



31.9806, 0.2997, 0.3144

Triad

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



31.9806, 0.2959, 0.3182



31.9806, 0.3241, 0.3249



31.9806, 0.3182, 0.3441

Complementary

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



31.9806, 0.2959, 0.3182



31.8091, 0.3308, 0.3396

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.



31.9806, 0.3258, 0.3438



31.9806, 0.2959, 0.3182



31.9806, 0.3292, 0.3326

Square

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



31.9806, 0.2959, 0.3182



31.9806, 0.3160, 0.3183



31.9806, 0.3298, 0.3396



31.9806, 0.3093, 0.3401

Rectangle

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



31.9806, 0.2959, 0.3182



31.9806, 0.3043, 0.3140



31.9806, 0.3298, 0.3396



31.9806, 0.3210, 0.3445

Sweetspot

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



31.9819, 0.2959, 0.3182



63.4528, 0.3081, 0.3262



33.9952, 0.3054, 0.3462



14.1296, 0.3070, 0.3254



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.



31.9819, 0.2959, 0.3182



56.7149, 0.2927, 0.3160



29.1135, 0.2957, 0.3041



7.5485, 0.2987, 0.3201



9.2123, 0.1888, 0.1995



0.2811, 0.2033, 0.2519

Inverse Universe

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



29.9838, 0.3208, 0.3125



52.4993, 0.3226, 0.3092



34.7972, 0.3293, 0.3527



7.1555, 0.3194, 0.3153



6.7741, 0.4458, 0.2230



0.1512, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 31.9806, 0.2959, 0.3182 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 31.9806, 0.2959, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

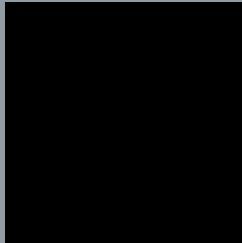
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

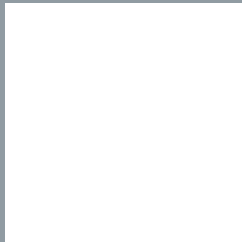
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9806, 0.2959, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 31.9806, 0.2959, 0.3182.



This preview shows how white text looks on a background with the Yxy color 31.9806, 0.2959, 0.3182.

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

31.9806, 0.2959, 0.3182

Protanopia

31.8646, 0.3073, 0.3169

Deuteranopia

31.9258, 0.3137, 0.3085



Tritanopia

31.9210, 0.2925, 0.3091

Trichromacy



Original Color

31.9806, 0.2959, 0.3182

Protanomaly

31.8397, 0.3025, 0.3168

Deuteranomaly

31.8455, 0.3066, 0.3111

Tritanomaly

31.8476, 0.2943, 0.3121

Monochromacy



Original Color

31.9806, 0.2959, 0.3182

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9955, 0.3070, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9806, 0.2959, 0.3182 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(144, 155, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 155, 162)  
}
```

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(144, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 155, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.9806, 0.2959, 0.3182 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(144, 155, 162) }
```

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

```
.border{ border-color:rgb(144, 155, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 155, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 155,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9806, 0.2959, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 155, 162) }
```

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

```
.background{ background-color: rgb(144,  
155, 162) }
```

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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