

Converting Colors

$Y_{xy}(31.9177, 0.3136, 0.3152)$

Have a look what the booklet for
Yxy(31.9177, 0.3136, 0.3152)
contains.

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Color

Yxy(31.8243, 0.3134, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	A096A0
RGB	160, 150, 160
RGB Percent	63%, 59%, 63%
CMY	0.3727, 0.4117, 0.3726
CMYK	0.00, 0.06, 0.00, 0.37
HSL	300°, 5%, 61%
HSV	300°, 6%, 63%
XYZ	31.7433, 31.8243, 37.7192
YIQ	154.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

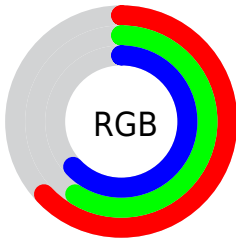
Format	Color
RYB	160, 150, 160
Decimal	10524320
CIELab	63.20, 5.53, -3.92
CIELCh	63, 6.780, 324.716
Yxy	31.8243, 0.3134, 0.3142
Android (android.graphics.Color)	4288714400 (0xFFA096A0)
YUV	154.1300, 2.8939, 5.1480
Hunter-Lab	56.4130, 1.7181, -0.1537

Details

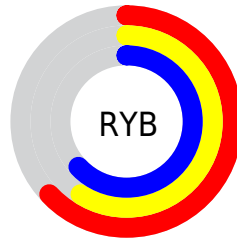
The Yxy color **31.8243, 0.3134, 0.3142** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8247, 0.3120, 0.3443**, and the grayscale version is **32.3599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5391, 0.3133, 0.3166**, and **13.2790, 0.3137, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **27.0613, 0.3145, 0.2899**, and if you desaturate by 10%, it is **37.2872, 0.3123, 0.3378**.

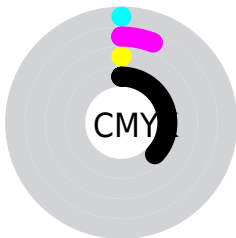
Distribution



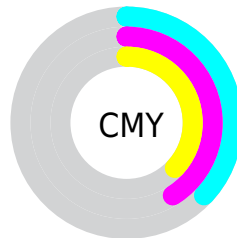
- Red (63%)
- Green (59%)
- Blue (63%)



- Red (63%)
- Yellow (59%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)



- Cyan (37%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8243, 0.3134, 0.3142 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 31.8243, 0.3134, 0.3142 by changing the saturation by 10% instead.

■ 31.8243, 0.3134,
0.3142

■ 31.8243, 0.3134,
0.3142

310.3181, 0.3131,
0.3220

■ 21.2273, 0.3135,
0.3121

■ 62.5355, 0.3133,
0.3171

■ 13.2903, 0.3136,
0.3093

■ 83.4186, 0.3132,
0.3182

■ 7.6287, 0.3137,
0.3055

108.4992, 0.3132,
0.3191

■ 3.8583, 0.3138,
0.2997

138.1616, 0.3132,
0.3199

■ 1.5946, 0.3139,
0.2903

172.7903, 0.3131,
0.3205

■ 0.3540, 0.3176,
0.2384

212.7697, 0.3131,

■ 0.0000, 0.0000,

0.3211

0.0000

258.4842, 0.3131,
0.3216

■ 31.8243, 0.3134,
0.3142

■ 31.8243, 0.3134,
0.3142

■ 27.0613, 0.3145,
0.2899

■ 37.2872, 0.3123,
0.3378

■ 22.9660, 0.3156,
0.2654

■ 43.4722, 0.3113,
0.3602

■ 19.5098, 0.3167,
0.2416

■ 50.4060, 0.3103,
0.3811

■ 16.6605, 0.3178,
0.2192

■ 58.1123, 0.3094,
0.4005

■ 14.3830, 0.3187,
0.1992

■ 66.6139, 0.3086,
0.4182

■ 12.6387, 0.3194,
0.1824

■ 75.9329, 0.3078,
0.4344

■ 11.3843, 0.3200,
0.1694

■ 81.5402, 0.3074,
0.4428

■ 10.5696, 0.3204,
0.1605

■ 81.5419, 0.3074,
0.4428

■ 10.1239, 0.3206,
0.1555

■ 81.5436, 0.3075,
0.4428

Harmonies

Analogous

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



31.8243, 0.3028, 0.3108



31.8243, 0.3134, 0.3142



31.8243, 0.3239, 0.3214

Triad

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



31.8243, 0.3134, 0.3142



31.8243, 0.3306, 0.3459



31.8243, 0.2943, 0.3270

Complementary

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



31.8243, 0.3134, 0.3142



33.8247, 0.3120, 0.3443

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.



31.8243, 0.3015, 0.3368



31.8243, 0.3134, 0.3142



31.8243, 0.3224, 0.3478

Square

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



31.8243, 0.3134, 0.3142



31.8243, 0.3339, 0.3395



31.8243, 0.3118, 0.3445



31.8243, 0.2920, 0.3180

Rectangle

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



31.8243, 0.3134, 0.3142



31.8243, 0.3295, 0.3274



31.8243, 0.3118, 0.3445



31.8243, 0.2962, 0.3303

Sweetspot

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



31.8257, 0.3134, 0.3142



61.8011, 0.3129, 0.3242



30.8934, 0.3035, 0.3140



13.5799, 0.3129, 0.3245



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.



31.8257, 0.3134, 0.3142



56.9661, 0.3135, 0.3120



31.6614, 0.3180, 0.3213



6.9585, 0.3135, 0.3114



7.7858, 0.3207, 0.1540



0.1393, 0.3208, 0.1541

Inverse Universe

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



31.4921, 0.3229, 0.3290



56.2765, 0.3245, 0.3290



33.9822, 0.3078, 0.3368



6.8711, 0.3250, 0.3290



5.8221, 0.6399, 0.3299



0.1041, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 31.8243, 0.3134, 0.3142 looks on a white background.

Color Contrast Check

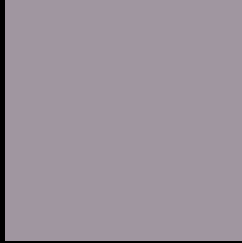
Large Text (above 18pt) WCAG AA × Fail

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 31.8243, 0.3134, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

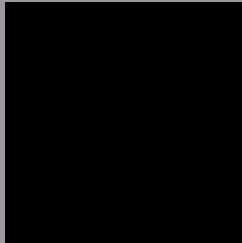
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8243, 0.3134, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 31.8243, 0.3134, 0.3142.



This preview shows how white text looks on a background with the Yxy color 31.8243, 0.3134, 0.3142.

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

31.8243, 0.3134, 0.3142

Protanopia

31.8020, 0.3054, 0.3154

Deuteranopia

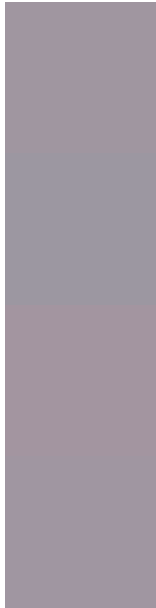
31.6104, 0.3176, 0.3114



Tritanopia

31.8949, 0.3115, 0.3112

Trichromacy



Original Color

31.8243, 0.3134, 0.3142

Protanomaly

31.7743, 0.3084, 0.3140

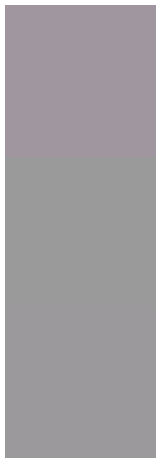
Deuteranomaly

31.8195, 0.3165, 0.3128

Tritanomaly

31.8595, 0.3125, 0.3127

Monochromacy



Original Color

31.8243, 0.3134, 0.3142

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2507, 0.3129, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8243, 0.3134, 0.3142 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(160, 150, 160)` looks like.

```
.text, #text, p{  
    color:rgb(160, 150, 160)  
}
```

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(160, 150, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 150, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.8243, 0.3134, 0.3142 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(160, 150, 160) }
```

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

```
.border{ border-color:rgb(160, 150, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 150, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 150, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 150, 160);  
box-shadow:4px 4px 4px 4px rgb(160, 150,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8243, 0.3134, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 150, 160) }
```

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

```
.background{ background-color: rgb(160,  
150, 160) }
```

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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