

Converting Colors

$Y_{xy}(31.1693, 0.3154, 0.3312)$

Have a look what the booklet for
Yxy(31.1693, 0.3154, 0.3312)
contains.

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Color

Yxy(31.1075, 0.3157, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	999796
RGB	153, 151, 150
RGB Percent	60%, 59%, 59%
CMY	0.3999, 0.4079, 0.4117
CMYK	0.00, 0.01, 0.02, 0.40
HSL	19°, 1%, 59%
HSV	19°, 2%, 60%
XYZ	29.7145, 31.1075, 33.3006
YIQ	151.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

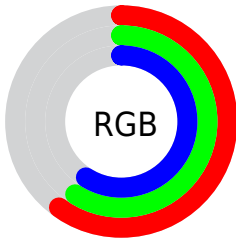
Format	Color
R_{YB}	153, 152, 150
Decimal	10065814
CIE _{Lab}	62.60, 0.56, 0.76
CIE _{LCh}	63, 0.950, 53.624
Yxy	31.1075, 0.3157, 0.3305
Android (android.graphics.Color)	4288255894 (0xFF999796)
YUV	151.4840, -0.7316, 1.3295
Hunter-Lab	55.7741, -2.5061, 3.6421

Details

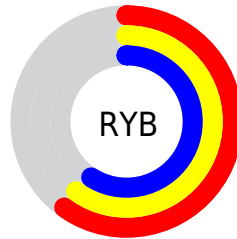
The Yxy color **31.1075, 0.3157, 0.3305** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2642, 0.3098, 0.3275**, and the grayscale version is **31.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2877, 0.3149, 0.3302**, and **12.8400, 0.3170, 0.3312** is the 20% darker color. If you saturate the color by 10%, you get **27.4542, 0.3324, 0.3385**, and if you desaturate by 10%, it is **35.1217, 0.3015, 0.3231**.

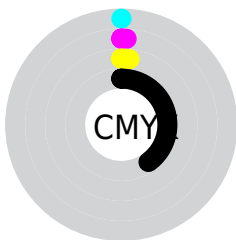
Distribution



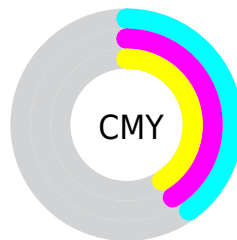
- Red (60%)
- Green (59%)
- Blue (59%)



- Red (60%)
- Yellow (60%)
- Blue (59%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (40%)



- Cyan (40%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1075, 0.3157, 0.3305 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 31.1075, 0.3157, 0.3305 by changing the saturation by 10% instead.

■ 31.1075, 0.3157,
0.3305

■ 31.1075, 0.3157,
0.3305

307.0333, 0.3141,
0.3297

■ 20.6807, 0.3161,
0.3307

■ 61.4093, 0.3151,
0.3302

■ 12.8908, 0.3167,
0.3310

■ 82.0531, 0.3149,
0.3301

■ 7.3534, 0.3175,
0.3314

106.8713, 0.3147,
0.3300

■ 3.6841, 0.3188,
0.3320

136.2484, 0.3145,
0.3299

■ 1.4985, 0.3209,
0.3331

170.5688, 0.3144,
0.3299

■ 0.2876, 0.3441,
0.3447

210.2168, 0.3143,

■ 0.0000, 0.0000,

0.3298

0.0000

255.5768, 0.3142,
0.3298

■ 31.1075, 0.3157,
0.3305

■ 31.1075, 0.3157,
0.3305

■ 27.4542, 0.3324,
0.3385

■ 35.1217, 0.3015,
0.3231

■ 24.1478, 0.3521,
0.3469

■ 39.5025, 0.2895,
0.3163

■ 21.1791, 0.3752,
0.3556

■ 44.2603, 0.2792,
0.3101

■ 18.5371, 0.4019,
0.3641

■ 49.4041, 0.2704,
0.3044

■ 16.2103, 0.4323,
0.3720

■ 54.9424, 0.2629,
0.2992

■ 14.1862, 0.4657,
0.3783

■ 60.8836, 0.2564,
0.2945

■ 12.4515, 0.5009,
0.3820

■ 67.0968, 0.2518,
0.2925

■ 10.9919, 0.5354,
0.3818

■ 72.8313, 0.2537,
0.3048

■ 9.7916, 0.5663,
0.3770

■ 78.9116, 0.2556,
0.3169

Harmonies

Analogous

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



31.1075, 0.3153, 0.3292



31.1075, 0.3157, 0.3305



31.1075, 0.3153, 0.3314

Triad

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



31.1075, 0.3157, 0.3305



31.1075, 0.3112, 0.3302



31.1075, 0.3113, 0.3264

Complementary

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



31.1075, 0.3157, 0.3305



31.2642, 0.3098, 0.3275

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.



31.1075, 0.3102, 0.3267



31.1075, 0.3157, 0.3305



31.1075, 0.3101, 0.3288

Square

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



31.1075, 0.3157, 0.3305



31.1075, 0.3127, 0.3312



31.1075, 0.3098, 0.3275



31.1075, 0.3128, 0.3269

Rectangle

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



31.1075, 0.3157, 0.3305



31.1075, 0.3146, 0.3316



31.1075, 0.3098, 0.3275



31.1075, 0.3109, 0.3264

Sweetspot

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



31.1088, 0.3157, 0.3305



56.3391, 0.3142, 0.3298



30.8646, 0.3138, 0.3258



12.4498, 0.3142, 0.3297



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



31.1088, 0.3157, 0.3305



55.6367, 0.3158, 0.3306



31.5917, 0.3156, 0.3328



7.1598, 0.3155, 0.3304



7.4876, 0.5868, 0.3723



0.1728, 0.5144, 0.4297

Inverse Universe

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



31.2642, 0.3098, 0.3275



55.9246, 0.3097, 0.3274



30.7831, 0.3099, 0.3252



7.1933, 0.3100, 0.3276



10.0982, 0.1952, 0.2227



0.2160, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 31.1075, 0.3157, 0.3305 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 31.1075, 0.3157, 0.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

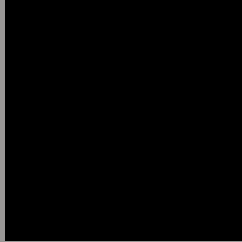
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

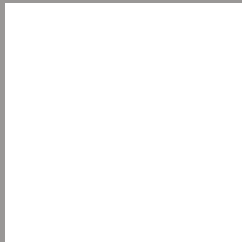
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.1075, 0.3157, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 31.1075, 0.3157, 0.3305.



This preview shows how white text looks on a background with the Yxy color 31.1075, 0.3157, 0.3305.

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

31.1075, 0.3157, 0.3305

Protanopia

31.2053, 0.3167, 0.3305

Deuteranopia

30.8991, 0.3288, 0.3216



Tritanopia

31.0367, 0.3075, 0.3109

Trichromacy



Original Color

31.1075, 0.3157, 0.3305

Protanomaly

31.2053, 0.3167, 0.3305

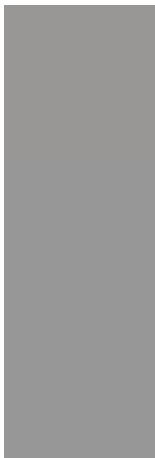
Deuteranomaly

30.9912, 0.3233, 0.3245

Tritanomaly

31.1170, 0.3102, 0.3184

Monochromacy



Original Color

31.1075, 0.3157, 0.3305

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0430, 0.3137, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1075, 0.3157, 0.3305 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(153, 151, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 151, 150)  
}
```

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(153, 151, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 151, 150) }
```

Border

The CSS property to change the border of an element to Yxy 31.1075, 0.3157, 0.3305 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(153, 151, 150) }
```

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

```
.border{ border-color:rgb(153, 151, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 151, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 151, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 151, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 151,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1075, 0.3157, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 151, 150) }
```

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

```
.background{ background-color: rgb(153,  
151, 150) }
```

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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