

Converting Colors

$Y_{xy}(31.7416, 0.3165, 0.3321)$

Have a look what the booklet for
Yxy(31.7416, 0.3165, 0.3321)
contains.

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Color

Yxy(31.5285, 0.3166, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	9A9896
RGB	154, 152, 150
RGB Percent	60%, 60%, 59%
CMY	0.3961, 0.4039, 0.4118
CMYK	0.00, 0.01, 0.03, 0.40
HSL	30°, 2%, 60%
HSV	30°, 3%, 60%
XYZ	30.0570, 31.5285, 33.3513
YIQ	152.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

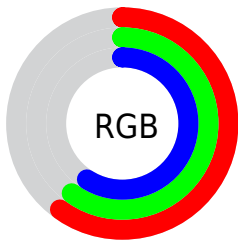
Format	Color
RYB	154, 154, 150
Decimal	10131606
CIELab	62.95, 0.34, 1.30
CIELCh	63, 1.349, 75.369
Yxy	31.5285, 0.3166, 0.3321
Android (android.graphics.Color)	4288321686 (0xFF9A9896)
YUV	152.3700, -1.1684, 1.4295
Hunter-Lab	56.1502, -2.7127, 4.0890

Details

The Yxy color **31.5285, 0.3166, 0.3321** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2620, 0.3089, 0.3259**, and the grayscale version is **31.5718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9121, 0.3156, 0.3313**, and **13.0918, 0.3183, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **28.6710, 0.3329, 0.3445**, and if you desaturate by 10%, it is **34.6129, 0.3023, 0.3204**.

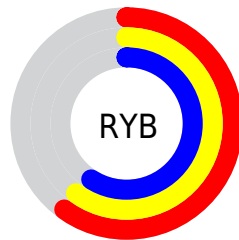
Distribution



Red (60%)

Green (60%)

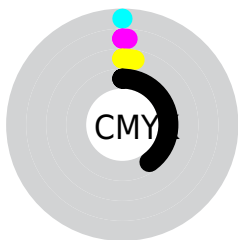
Blue (59%)



Red (60%)

Yellow (60%)

Blue (59%)

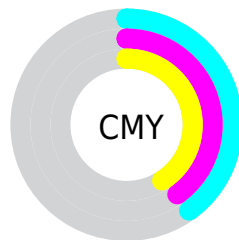


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5285, 0.3166, 0.3321 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 31.5285, 0.3166, 0.3321 by changing the saturation by 10% instead.

■ 31.5285, 0.3166,
0.3321

■ 31.5285, 0.3166,
0.3321

308.9658, 0.3145,
0.3305

■ 21.0016, 0.3172,
0.3325

■ 62.0712, 0.3158,
0.3315

■ 13.1252, 0.3179,
0.3331

■ 82.8558, 0.3155,
0.3313

■ 7.5148, 0.3190,
0.3340

107.8284, 0.3153,
0.3311

■ 3.7861, 0.3206,
0.3352

137.3735, 0.3151,
0.3309

■ 1.5546, 0.3233,
0.3374

171.8753, 0.3149,
0.3308

■ 0.3267, 0.3504,
0.3590

211.7184, 0.3148,

■ 0.0000, 0.0000,

0.3307

0.0000

257.2871, 0.3146,
0.3306

■ 31.5285, 0.3166,
0.3321

■ 31.5285, 0.3166,
0.3321

■ 28.6710, 0.3329,
0.3445

■ 34.6129, 0.3023,
0.3204

■ 26.0308, 0.3514,
0.3576

■ 37.9254, 0.2899,
0.3096

■ 23.6035, 0.3722,
0.3709

■ 41.4723, 0.2790,
0.2997

■ 21.3831, 0.3952,
0.3841

■ 45.2586, 0.2695,
0.2905

■ 19.3633, 0.4203,
0.3963

■ 49.2891, 0.2612,
0.2822

■ 17.5373, 0.4467,
0.4067

■ 53.5682, 0.2539,
0.2745

■ 15.8978, 0.4734,
0.4141

■ 57.9201, 0.2488,
0.2704

■ 14.4369, 0.4989,
0.4172

■ 61.6635, 0.2502,
0.2797

■ 13.1456, 0.5217,
0.4153

■ 65.5870, 0.2517,
0.2890

Harmonies

Analogous

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



31.5285, 0.3169, 0.3306



31.5285, 0.3166, 0.3321



31.5285, 0.3153, 0.3327

Triad

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



31.5285, 0.3166, 0.3321



31.5285, 0.3094, 0.3293



31.5285, 0.3122, 0.3257

Complementary

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



31.5285, 0.3166, 0.3321



31.2620, 0.3089, 0.3259

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.



31.5285, 0.3102, 0.3253



31.5285, 0.3166, 0.3321



31.5285, 0.3086, 0.3274

Square

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



31.5285, 0.3166, 0.3321



31.5285, 0.3111, 0.3311



31.5285, 0.3089, 0.3259



31.5285, 0.3144, 0.3270

Rectangle

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



31.5285, 0.3166, 0.3321



31.5285, 0.3140, 0.3326



31.5285, 0.3089, 0.3259



31.5285, 0.3115, 0.3255

Sweetspot

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



31.5299, 0.3166, 0.3321



58.1425, 0.3142, 0.3302



30.9451, 0.3149, 0.3259



13.1678, 0.3141, 0.3301



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.5299, 0.3166, 0.3321



57.0369, 0.3173, 0.3327



32.1772, 0.3164, 0.3351



7.0742, 0.3183, 0.3334



10.0838, 0.5360, 0.4126



0.2235, 0.4772, 0.4593

Inverse Universe

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



31.2620, 0.3089, 0.3259



56.4646, 0.3082, 0.3253



30.6256, 0.3090, 0.3228



6.9885, 0.3072, 0.3245



6.2073, 0.1777, 0.1598



0.1654, 0.1988, 0.2356

Previews

White Background



This preview shows how the Yxy color 31.5285, 0.3166, 0.3321 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 31.5285, 0.3166, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

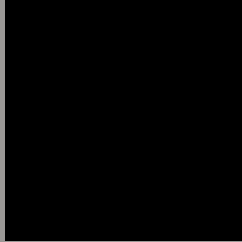
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

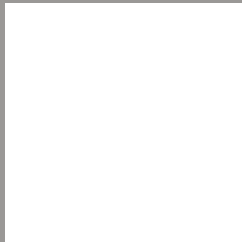
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5285, 0.3166, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 31.5285, 0.3166, 0.3321.



This preview shows how white text looks on a background with the Yxy color 31.5285, 0.3166, 0.3321.

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

31.5285, 0.3166, 0.3321

Protanopia

31.6270, 0.3176, 0.3321

Deuteranopia

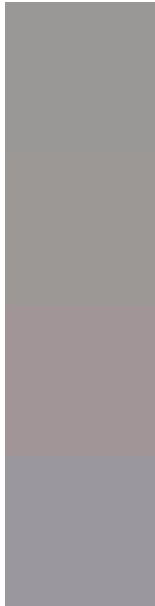
31.3173, 0.3297, 0.3232



Tritanopia

31.4892, 0.3075, 0.3110

Trichromacy



Original Color

31.5285, 0.3166, 0.3321

Protanomaly

31.6270, 0.3176, 0.3321

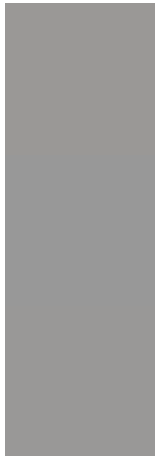
Deuteranomaly

31.4106, 0.3242, 0.3260

Tritanomaly

31.5704, 0.3102, 0.3184

Monochromacy



Original Color

31.5285, 0.3166, 0.3321

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4631, 0.3147, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5285, 0.3166, 0.3321 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(154, 152, 150)` looks like.

```
.text, #text, p{  
    color:rgb(154, 152, 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(154, 152, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 152, 150) }
```

Border

The CSS property to change the border of an element to Yxy 31.5285, 0.3166, 0.3321 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(154, 152, 150) }
```

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

```
.border{ border-color:rgb(154, 152, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 152, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 152, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 152, 150);  
box-shadow:4px 4px 4px 4px rgb(154, 152,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5285, 0.3166, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 152, 150) }
```

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

```
.background{ background-color: rgb(154,  
152, 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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