

Converting Colors

$Y_{xy}(31.0601, 0.3110, 0.3219)$

Have a look what the booklet for
Yxy(31.0601, 0.3110, 0.3219)
contains.

Yxy(30.9516, 0.3111, 0.3214)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9516, 0.3111, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	99969B
RGB	153, 150, 155
RGB Percent	60%, 59%, 61%
CMY	0.3999, 0.4118, 0.3923
CMYK	0.01, 0.03, 0.00, 0.39
HSL	276°, 2%, 60%
HSV	276°, 3%, 61%
XYZ	29.9597, 30.9516, 35.3911
YIQ	151.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

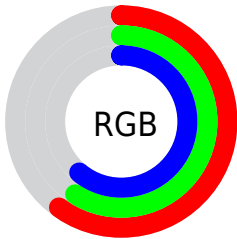
Format	Color
RYB	153, 150, 155
Decimal	10065563
CIELab	62.47, 2.06, -2.22
CIElCh	62, 3.033, 312.813
Yxy	30.9516, 0.3111, 0.3214
Android (android.graphics.Color)	4288255643 (0xFF99969B)
YUV	151.4670, 1.7418, 1.3444
Hunter-Lab	55.6342, -1.2353, 1.2271

Details

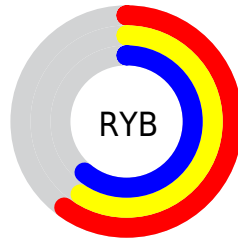
The Yxy color **30.9516, 0.3111, 0.3214** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3051, 0.3143, 0.3366**, and the grayscale version is **31.1512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0546, 0.3115, 0.3232**, and **12.7479, 0.3103, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **25.7522, 0.3055, 0.2965**, and if you desaturate by 10%, it is **36.8380, 0.3159, 0.3445**.

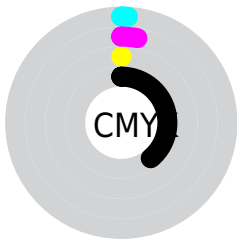
Distribution



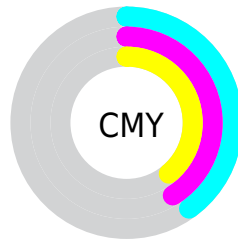
- Red (60%)
- Green (59%)
- Blue (61%)



- Red (60%)
- Yellow (59%)
- Blue (61%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9516, 0.3111, 0.3214 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 30.9516, 0.3111, 0.3214 by changing the saturation by 10% instead.

■ 30.9516, 0.3111,
0.3214

■ 30.9516, 0.3111,
0.3214

306.3153, 0.3120,
0.3255

■ 20.5620, 0.3109,
0.3203

■ 61.1639, 0.3114,
0.3229

■ 12.8042, 0.3105,
0.3188

■ 81.7553, 0.3116,
0.3235

■ 7.2939, 0.3101,
0.3168

106.5162, 0.3117,
0.3240

■ 3.6466, 0.3094,
0.3136

135.8308, 0.3117,
0.3243

■ 1.4779, 0.3081,
0.3084

170.0837, 0.3118,
0.3247

■ 0.2731, 0.2992,
0.2636

209.6591, 0.3119,

■ 0.0000, 0.0000,

0.3250

0.0000

254.9415, 0.3119,
0.3252

■ 30.9516, 0.3111,
0.3214

■ 30.9516, 0.3111,
0.3214

■ 25.7522, 0.3055,
0.2965

■ 36.8380, 0.3159,
0.3445

■ 21.2099, 0.2988,
0.2701

■ 43.4319, 0.3198,
0.3656

■ 17.2984, 0.2912,
0.2426

■ 50.7579, 0.3231,
0.3847

■ 13.9881, 0.2827,
0.2148

■ 58.8383, 0.3257,
0.4020

■ 11.2470, 0.2732,
0.1877

■ 67.6942, 0.3279,
0.4176

■ 9.0401, 0.2631,
0.1624

■ 77.3461, 0.3296,
0.4315

■ 7.3283, 0.2527,
0.1403

■ 85.5729, 0.3316,
0.4410

■ 6.0669, 0.2424,
0.1222

■ 86.4041, 0.3356,
0.4396

■ 5.2030, 0.2324,
0.1091

■ 87.2689, 0.3396,
0.4381

Harmonies

Analogous

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



30.9516, 0.3067, 0.3207



30.9516, 0.3111, 0.3214



30.9516, 0.3160, 0.3241

Triad

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



30.9516, 0.3111, 0.3214



30.9516, 0.3217, 0.3358



30.9516, 0.3054, 0.3299

Complementary

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



30.9516, 0.3111, 0.3214



32.3051, 0.3143, 0.3366

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.



30.9516, 0.3094, 0.3340



30.9516, 0.3111, 0.3214



30.9516, 0.3188, 0.3374

Square

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



30.9516, 0.3111, 0.3214



30.9516, 0.3221, 0.3323



30.9516, 0.3143, 0.3368



30.9516, 0.3034, 0.3256

Rectangle

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



30.9516, 0.3111, 0.3214



30.9516, 0.3189, 0.3266



30.9516, 0.3143, 0.3368



30.9516, 0.3066, 0.3314

Sweetspot

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



30.9529, 0.3111, 0.3214



57.6560, 0.3122, 0.3266



31.3026, 0.3080, 0.3244



13.0642, 0.3122, 0.3267



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.



30.9529, 0.3111, 0.3214



54.5961, 0.3106, 0.3193



31.1277, 0.3135, 0.3222



6.7470, 0.3104, 0.3180



3.8389, 0.2267, 0.1022



0.0784, 0.2687, 0.1254

Inverse Universe

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



31.0444, 0.3159, 0.3260



54.8044, 0.3168, 0.3252



32.1345, 0.3119, 0.3359



6.7764, 0.3174, 0.3247



5.8740, 0.5353, 0.2722



0.0947, 0.4347, 0.2168

Previews

White Background



This preview shows how the Yxy color 30.9516, 0.3111, 0.3214 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 30.9516, 0.3111, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

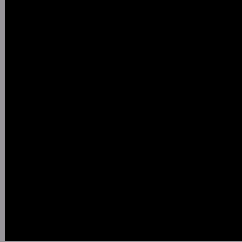
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

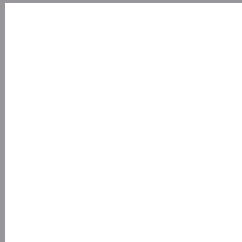
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9516, 0.3111, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 30.9516, 0.3111, 0.3214.



This preview shows how white text looks on a background with the Yxy color 30.9516, 0.3111, 0.3214.

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

30.9516, 0.3111, 0.3214

Protanopia

30.8547, 0.3100, 0.3213

Deuteranopia

30.7446, 0.3207, 0.3142



Tritanopia

30.9381, 0.3065, 0.3109

Trichromacy



Original Color

30.9516, 0.3111, 0.3214

Protanomaly

30.8547, 0.3100, 0.3213

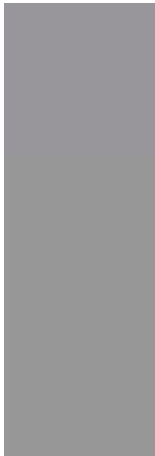
Deuteranomaly

30.6387, 0.3164, 0.3155

Tritanomaly

30.8681, 0.3084, 0.3138

Monochromacy



Original Color

30.9516, 0.3111, 0.3214

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0756, 0.3128, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9516, 0.3111, 0.3214 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, 150, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 150, 155)  
}
```

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, 150, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 150, 155) }
```

Border

The CSS property to change the border of an element to Yxy 30.9516, 0.3111, 0.3214 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, 150, 155) }
```

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

```
.border{ border-color:rgb(153, 150, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 150, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 150, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 150, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 150,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9516, 0.3111, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 150, 155) }
```

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

```
.background{ background-color: rgb(153,  
150, 155) }
```

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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