

Converting Colors

$Y_{xy}(29.9182, 0.3088, 0.3198)$

Have a look what the booklet for
Yxy(29.9182, 0.3088, 0.3198)
contains.

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Color

Yxy(29.9969, 0.3091, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	96949A
RGB	150, 148, 154
RGB Percent	59%, 58%, 60%
CMY	0.4117, 0.4196, 0.3961
CMYK	0.03, 0.04, 0.00, 0.40
HSL	260°, 3%, 59%
HSV	260°, 4%, 60%
XYZ	29.0023, 29.9969, 34.8291
YIQ	149.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

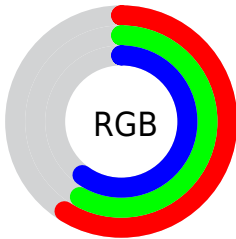
Format	Color
RYB	150, 148, 154
Decimal	9868442
CIELab	61.65, 1.91, -2.90
CIELCh	62, 3.472, 303.399
Yxy	29.9969, 0.3091, 0.3197
Android (android.graphics.Color)	4288058522 (0xFF96949A)
YUV	149.2820, 2.3260, 0.6297
Hunter-Lab	54.7694, -1.3245, 0.6348

Details

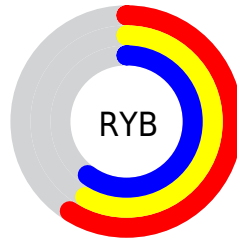
The Yxy color **29.9969, 0.3091, 0.3197** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9189, 0.3162, 0.3382**, and the grayscale version is **30.1715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6325, 0.3100, 0.3220**, and **12.1813, 0.3074, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **24.5580, 0.2988, 0.2941**, and if you desaturate by 10%, it is **36.1654, 0.3180, 0.3428**.

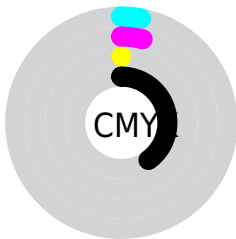
Distribution



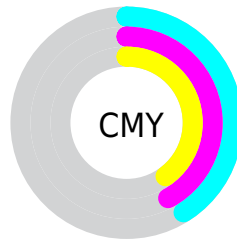
- Red (59%)
- Green (58%)
- Blue (60%)



- Red (59%)
- Yellow (58%)
- Blue (60%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9969, 0.3091, 0.3197 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 29.9969, 0.3091, 0.3197 by changing the saturation by 10% instead.

■ 29.9969, 0.3091,
0.3197

■ 29.9969, 0.3091,
0.3197

301.8900, 0.3111,
0.3247

■ 19.8362, 0.3086,
0.3183

■ 59.6573, 0.3098,
0.3216

■ 12.2761, 0.3078,
0.3165

■ 79.9258, 0.3101,
0.3223

■ 6.9320, 0.3068,
0.3139

104.3323, 0.3103,
0.3228

■ 3.4196, 0.3052,
0.3100

133.2614, 0.3105,
0.3233

■ 1.3545, 0.3024,
0.3033

167.0973, 0.3107,
0.3237

■ 0.1828, 0.2738,
0.2271

206.2244, 0.3108,

■ 0.0000, 0.0000,

0.3241

0.0000

251.0272, 0.3109,
0.3244

■ 29.9969, 0.3091,
0.3197

■ 29.9969, 0.3091,
0.3197

■ 24.5580, 0.2988,
0.2941

■ 36.1654, 0.3180,
0.3428

■ 19.8174, 0.2870,
0.2662

■ 43.0855, 0.3255,
0.3635

■ 15.7475, 0.2736,
0.2364

■ 50.7830, 0.3319,
0.3819

■ 12.3171, 0.2589,
0.2054

■ 59.2814, 0.3374,
0.3982

■ 9.4925, 0.2431,
0.1744

■ 68.6031, 0.3419,
0.4126

7.2368, 0.2269,
0.1449

78.7696, 0.3458,
0.4253

5.5092, 0.2109,
0.1187

89.2950, 0.3492,
0.4359

4.2629, 0.1961,
0.0974

90.9500, 0.3562,
0.4333

3.4422, 0.1833,
0.0820

92.7041, 0.3632,
0.4308

Harmonies

Analogous

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



29.9969, 0.3044, 0.3197



29.9969, 0.3091, 0.3197



29.9969, 0.3148, 0.3221

Triad

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



29.9969, 0.3091, 0.3197



29.9969, 0.3236, 0.3357



29.9969, 0.3055, 0.3317

Complementary

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



29.9969, 0.3091, 0.3197



31.9189, 0.3162, 0.3382

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.



29.9969, 0.3106, 0.3361



29.9969, 0.3091, 0.3197



29.9969, 0.3210, 0.3384

Square

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



29.9969, 0.3091, 0.3197



29.9969, 0.3232, 0.3313



29.9969, 0.3163, 0.3385



29.9969, 0.3024, 0.3266

Rectangle

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



29.9969, 0.3091, 0.3197



29.9969, 0.3184, 0.3248



29.9969, 0.3163, 0.3385



29.9969, 0.3071, 0.3333

Sweetspot

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



29.9982, 0.3091, 0.3197



57.5810, 0.3118, 0.3266



31.0831, 0.3069, 0.3259



13.0482, 0.3118, 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.



29.9982, 0.3091, 0.3197



53.2370, 0.3079, 0.3167



30.2838, 0.3121, 0.3198



6.5863, 0.3075, 0.3157



2.5128, 0.1771, 0.0749



0.0562, 0.2239, 0.1007

Inverse Universe

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



30.3146, 0.3151, 0.3229



53.9860, 0.3158, 0.3210



31.6358, 0.3133, 0.3383



6.6875, 0.3161, 0.3203



6.3863, 0.4261, 0.2121



0.1022, 0.3711, 0.1818

Previews

White Background



This preview shows how the Yxy color 29.9969, 0.3091, 0.3197 looks on a white background.

Color Contrast Check

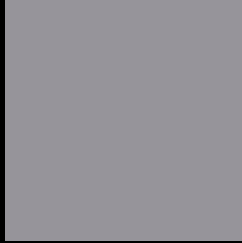
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9969, 0.3091, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

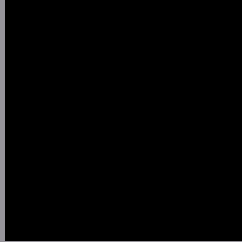
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

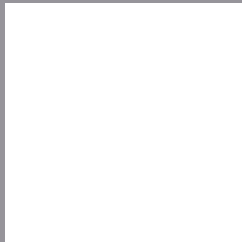
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9969, 0.3091, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 29.9969, 0.3091, 0.3197.



This preview shows how white text looks on a background with the Yxy color 29.9969, 0.3091, 0.3197.

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

29.9969, 0.3091, 0.3197

Protanopia

29.9969, 0.3091, 0.3197

Deuteranopia

29.8901, 0.3198, 0.3125



Tritanopia

29.9499, 0.3054, 0.3106

Trichromacy



Original Color

29.9969, 0.3091, 0.3197

Protanomaly

29.9969, 0.3091, 0.3197

Deuteranomaly

29.7855, 0.3155, 0.3138

Tritanomaly

29.8811, 0.3073, 0.3136

Monochromacy



Original Color

29.9969, 0.3091, 0.3197

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1188, 0.3108, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9969, 0.3091, 0.3197 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(150, 148, 154)` looks like.

```
.text, #text, p{  
    color:rgb(150, 148, 154)  
}
```

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(150, 148, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 148, 154) }
```

Border

The CSS property to change the border of an element to Yxy 29.9969, 0.3091, 0.3197 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(150, 148, 154) }
```

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

```
.border{ border-color:rgb(150, 148, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 148, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 148, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 148, 154);  
box-shadow:4px 4px 4px 4px rgb(150, 148,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9969, 0.3091, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 148, 154) }
```

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

```
.background{ background-color: rgb(150,  
148, 154) }
```

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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