

Converting Colors

$Y_{xy}(28.8171, 0.3115, 0.3174)$

Have a look what the booklet for
Yxy(28.8171, 0.3115, 0.3174)
contains.

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Color

Yxy(28.6975, 0.3112, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	969098
RGB	150, 144, 152
RGB Percent	59%, 56%, 60%
CMY	0.4118, 0.4353, 0.4039
CMYK	0.01, 0.05, 0.00, 0.40
HSL	285°, 4%, 58%
HSV	285°, 5%, 60%
XYZ	28.2169, 28.6975, 33.7570
YIQ	146.7060, 1.0080, 3.7600

Conversions

Conversions Part 2

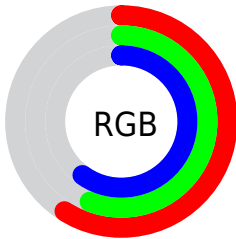
Format	Color
R _{YB}	150, 144, 152
Decimal	9867416
CIE Lab	60.51, 3.75, -3.44
CIE LCh	61, 5.090, 317.445
Yxy	28.6975, 0.3112, 0.3165
Android (android.graphics.Color)	4288057496 (0xFF969098)
YUV	146.7060, 2.6099, 2.8888
Hunter-Lab	53.5700, 0.2737, 0.1377

Details

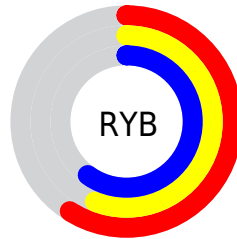
The Yxy color **28.6975, 0.3112, 0.3165** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5824, 0.3141, 0.3417**, and the grayscale version is **29.0386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6818, 0.3116, 0.3196**, and **11.5976, 0.3104, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **24.0434, 0.3079, 0.2917**, and if you desaturate by 10%, it is **33.9858, 0.3140, 0.3399**.

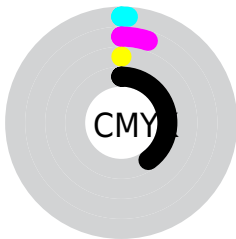
Distribution



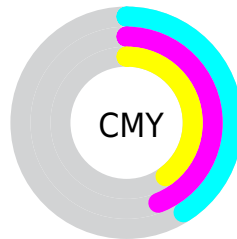
- Red (59%)
- Green (56%)
- Blue (60%)



- Red (59%)
- Yellow (56%)
- Blue (60%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6975, 0.3112, 0.3165 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 28.6975, 0.3112, 0.3165 by changing the saturation by 10% instead.

■ 28.6975, 0.3112,
0.3165

■ 28.6975, 0.3112,
0.3165

■ 295.7850, 0.3120,
0.3232

■ 18.8521, 0.3110,
0.3147

■ 57.5961, 0.3115,
0.3191

■ 11.5635, 0.3106,
0.3122

■ 77.4181, 0.3116,
0.3200

■ 6.4472, 0.3101,
0.3086

■ 101.3345, 0.3117,
0.3208

■ 3.1188, 0.3093,
0.3033

■ 129.7296, 0.3118,
0.3214

■ 1.1941, 0.3079,
0.2940

■ 162.9878, 0.3119,
0.3220

■ 0.0569, 0.2883,
0.1126

■ 201.4935, 0.3120,

■ 0.0000, 0.0000,

0.3224

0.0000

245.6311, 0.3120,
0.3228

■ 28.6975, 0.3112,
0.3165

■ 28.6975, 0.3112,
0.3165

■ 24.0434, 0.3079,
0.2917

■ 33.9858, 0.3140,
0.3399

■ 19.9952, 0.3039,
0.2659

■ 39.9279, 0.3162,
0.3616

■ 16.5277, 0.2993,
0.2396

■ 46.5473, 0.3180,
0.3816

■ 13.6126, 0.2940,
0.2138

■ 53.8650, 0.3194,
0.3998

■ 11.2192, 0.2882,
0.1893

■ 61.9011, 0.3204,
0.4163

■ 9.3137, 0.2819,
0.1673

■ 70.6751, 0.3212,
0.4312

■ 7.8583, 0.2753,
0.1486

■ 80.2055, 0.3218,
0.4446

■ 6.8097, 0.2686,
0.1342

■ 83.5554, 0.3236,
0.4478

■ 6.1106, 0.2621,
0.1242

■ 84.0219, 0.3260,
0.4469

Harmonies

Analogous

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



28.6975, 0.3033, 0.3147



28.6975, 0.3112, 0.3165



28.6975, 0.3196, 0.3215

Triad

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



28.6975, 0.3112, 0.3165



28.6975, 0.3276, 0.3412



28.6975, 0.2994, 0.3294

Complementary

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



28.6975, 0.3112, 0.3165



30.5824, 0.3141, 0.3417

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.



28.6975, 0.3058, 0.3367



28.6975, 0.3112, 0.3165



28.6975, 0.3221, 0.3436

Square

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



28.6975, 0.3112, 0.3165



28.6975, 0.3291, 0.3357



28.6975, 0.3141, 0.3420



28.6975, 0.2966, 0.3220

Rectangle

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



28.6975, 0.3112, 0.3165



28.6975, 0.3243, 0.3260



28.6975, 0.3141, 0.3420



28.6975, 0.3012, 0.3319

Sweetspot

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



28.6987, 0.3112, 0.3165



53.5374, 0.3121, 0.3242



28.7972, 0.3049, 0.3197



12.1942, 0.3122, 0.3245



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.



28.6987, 0.3112, 0.3165



49.9081, 0.3109, 0.3144



28.8302, 0.3151, 0.3195



6.5558, 0.3108, 0.3136



4.9049, 0.2594, 0.1203



0.0900, 0.2886, 0.1363

Inverse Universe

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



28.6997, 0.3192, 0.3259



49.9112, 0.3203, 0.3254



30.4574, 0.3104, 0.3387



6.5563, 0.3208, 0.3251



5.7199, 0.5873, 0.3009



0.0907, 0.4854, 0.2447

Previews

White Background



This preview shows how the Yxy color 28.6975, 0.3112, 0.3165 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 28.6975, 0.3112, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

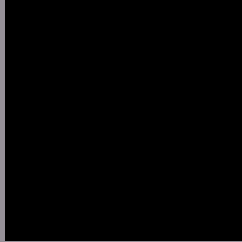
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

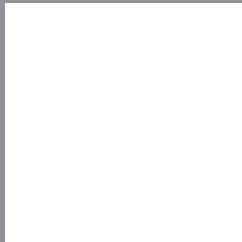
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6975, 0.3112, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 28.6975, 0.3112, 0.3165.



This preview shows how white text looks on a background with the Yxy color 28.6975, 0.3112, 0.3165.

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

28.6975, 0.3112, 0.3165

Protanopia

28.7537, 0.3071, 0.3164

Deuteranopia

28.7811, 0.3188, 0.3137



Tritanopia

28.7971, 0.3083, 0.3119

Trichromacy



Original Color

28.6975, 0.3112, 0.3165

Protanomaly

28.8466, 0.3081, 0.3164

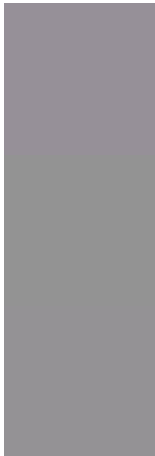
Deuteranomaly

28.7819, 0.3155, 0.3151

Tritanomaly

28.7636, 0.3093, 0.3134

Monochromacy



Original Color

28.6975, 0.3112, 0.3165

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0236, 0.3119, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6975, 0.3112, 0.3165 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, 144, 152)` looks like.

```
.text, #text, p{  
    color:rgb(150, 144, 152)  
}
```

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, 144, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 144, 152) }
```

Border

The CSS property to change the border of an element to Yxy 28.6975, 0.3112, 0.3165 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, 144, 152) }
```

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

```
.border{ border-color:rgb(150, 144, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 144, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 144, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 144, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 144,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6975, 0.3112, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 144, 152) }
```

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

```
.background{ background-color: rgb(150,  
144, 152) }
```

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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