

Converting Colors

$Y_{xy}(33.7282, 0.2913, 0.3081)$

Have a look what the booklet for
Yxy(33.7282, 0.2913, 0.3081)
contains.

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Color

Yxy(33.7282, 0.2913, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	949EAC
RGB	148, 158, 172
RGB Percent	58%, 62%, 67%
CMY	0.4195, 0.3804, 0.3255
CMYK	0.14, 0.08, 0.00, 0.33
HSL	215°, 13%, 63%
HSV	215°, 14%, 67%
XYZ	31.8891, 33.7282, 43.8543
YIQ	156.6060, -10.4540, 2.2340

Conversions

Conversions Part 2

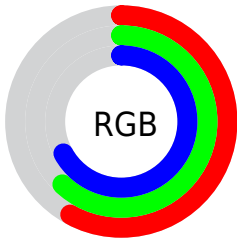
Format	Color
R_YB	148, 155, 172
Decimal	9739948
CIE Lab	64.75, -0.61, -8.48
CIE LCh	65, 8.504, 265.879
Yxy	33.7282, 0.2913, 0.3081
Android (android.graphics.Color)	4287930028 (0xFF949EAC)
YUV	156.6060, 7.5892, -7.5475
Hunter-Lab	58.0760, -3.6200, -4.1179

Details

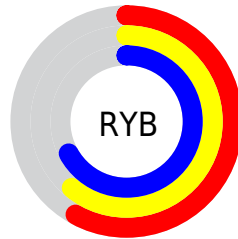
The Yxy color **33.7282, 0.2913, 0.3081** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7580, 0.3351, 0.3491**, and the grayscale version is **33.5021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6911, 0.2956, 0.3131**, and **14.4128, 0.2839, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **28.9548, 0.2750, 0.2910**, and if you desaturate by 10%, it is **39.0229, 0.3068, 0.3234**.

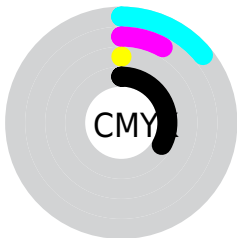
Distribution



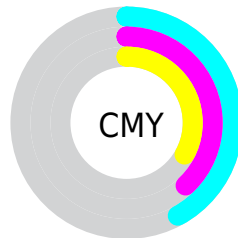
- Red (58%)
- Green (62%)
- Blue (67%)



- Red (58%)
- Yellow (61%)
- Blue (67%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (42%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7282, 0.2913, 0.3081 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 33.7282, 0.2913, 0.3081 by changing the saturation by 10% instead.

■ 33.7282, 0.2913,
0.3081

■ 33.7282, 0.2913,
0.3081

318.9184, 0.3025,
0.3191

■ 22.6849, 0.2883,
0.3052

■ 65.5108, 0.2955,
0.3122

■ 14.3610, 0.2844,
0.3013

■ 87.0188, 0.2971,
0.3137

■ 8.3722, 0.2789,
0.2959

112.7839, 0.2984,
0.3150

■ 4.3340, 0.2708,
0.2879

143.1904, 0.2994,
0.3161

■ 1.8621, 0.2577,
0.2750

178.6227, 0.3004,
0.3170

■ 0.5254, 0.2213,
0.2400

219.4652, 0.3012,

■ 0.0000, 0.0000,

0.3178

0.0000

266.1023, 0.3019,
0.3185

■ 33.7282, 0.2913,
0.3081

■ 33.7282, 0.2913,
0.3081

■ 28.9548, 0.2750,
0.2910

■ 39.0229, 0.3068,
0.3234

■ 24.6812, 0.2583,
0.2723

■ 44.8510, 0.3215,
0.3371

■ 20.8909, 0.2414,
0.2520

■ 51.2292, 0.3352,
0.3491

■ 17.5643, 0.2250,
0.2304

■ 58.1725, 0.3478,
0.3597

■ 14.6805, 0.2094,
0.2081

■ 65.6951, 0.3595,
0.3690

■ 12.2167, 0.1955,
0.1857

■ 73.8107, 0.3702,
0.3771

■ 10.1473, 0.1838,
0.1639

■ 79.8969, 0.3699,
0.3863

■ 8.4429, 0.1747,
0.1435

■ 85.5954, 0.3669,
0.3957

■ 7.5539, 0.1700,
0.1319

■ 91.6206, 0.3639,
0.4047

Harmonies

Analogous

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



33.7282, 0.2873, 0.3150



33.7282, 0.2913, 0.3081



33.7282, 0.3010, 0.3068

Triad

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



33.7282, 0.2913, 0.3081



33.7282, 0.3361, 0.3313



33.7282, 0.3110, 0.3479

Complementary

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



33.7282, 0.2913, 0.3081



36.7580, 0.3351, 0.3491

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.



33.7282, 0.3242, 0.3522



33.7282, 0.2913, 0.3081



33.7282, 0.3388, 0.3422

Square

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



33.7282, 0.2913, 0.3081



33.7282, 0.3269, 0.3200



33.7282, 0.3344, 0.3500



33.7282, 0.2985, 0.3382

Rectangle

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



33.7282, 0.2913, 0.3081



33.7282, 0.3095, 0.3091



33.7282, 0.3344, 0.3500



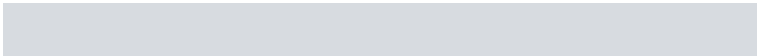
33.7282, 0.3155, 0.3500

Sweetspot

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



33.7296, 0.2913, 0.3081



70.6602, 0.3066, 0.3232



38.4094, 0.2997, 0.3438



15.1957, 0.3055, 0.3222



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.7296, 0.2913, 0.3081



58.1716, 0.2859, 0.3025



30.6540, 0.2927, 0.2930



8.2841, 0.2986, 0.3154



5.7253, 0.1705, 0.1338



0.2689, 0.1877, 0.1958

Inverse Universe

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



32.4274, 0.3278, 0.3147



55.4053, 0.3322, 0.3111



40.1863, 0.3313, 0.3630



8.0685, 0.3224, 0.3196



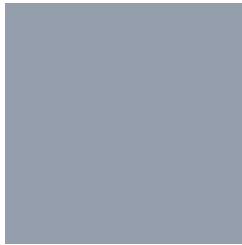
6.8810, 0.5274, 0.2679



0.2025, 0.4500, 0.2253

Previews

White Background



This preview shows how the Yxy color 33.7282, 0.2913, 0.3081 looks on a white background.

Color Contrast Check

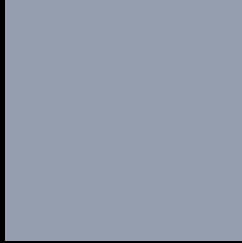
Large Text (above 18pt) WCAG AA × Fail

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 33.7282, 0.2913, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

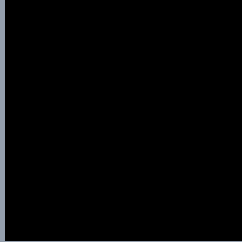
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

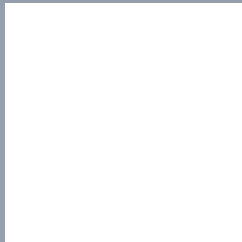
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7282, 0.2913, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 33.7282, 0.2913, 0.3081.



This preview shows how white text looks on a background with the Yxy color 33.7282, 0.2913, 0.3081.

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

33.7282, 0.2913, 0.3081

Protanopia

33.7851, 0.2994, 0.3070

Deuteranopia

33.7989, 0.3063, 0.3005



Tritanopia

33.6899, 0.2921, 0.3095

Trichromacy



Original Color

33.7282, 0.2913, 0.3081

Protanomaly

33.8265, 0.2966, 0.3083

Deuteranomaly

33.8307, 0.3005, 0.3029

Tritanomaly

33.6899, 0.2921, 0.3095

Monochromacy



Original Color

33.7282, 0.2913, 0.3081

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.5926, 0.3054, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7282, 0.2913, 0.3081 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(148, 158, 172)` looks like.

```
.text, #text, p{  
    color:rgb(148, 158, 172)  
}
```

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(148, 158, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 158, 172) }
```

Border

The CSS property to change the border of an element to Yxy 33.7282, 0.2913, 0.3081 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(148, 158, 172) }
```

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

```
.border{ border-color:rgb(148, 158, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 158, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 158, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 158, 172);  
box-shadow:4px 4px 4px 4px rgb(148, 158,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7282, 0.2913, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 158, 172) }
```

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

```
.background{ background-color: rgb(148,  
158, 172) }
```

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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