

Converting Colors

$Yxy(33.3858, 0.2954, 0.3193)$

Have a look what the booklet for
Yxy(33.3858, 0.2954, 0.3193)
contains.

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Color

Yxy(33.2813, 0.2953, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	929EA5
RGB	146, 158, 165
RGB Percent	57%, 62%, 65%
CMY	0.4274, 0.3804, 0.3529
CMYK	0.12, 0.04, 0.00, 0.35
HSL	202°, 10%, 61%
HSV	202°, 12%, 65%
XYZ	30.8764, 33.2813, 40.4018
YIQ	155.2100, -9.3990, -0.3670

Conversions

Conversions Part 2

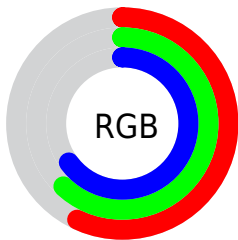
Format	Color
RYB	146, 153, 165
Decimal	9608869
CIELab	64.39, -2.78, -5.12
CIELCh	64, 5.826, 241.451
Yxy	33.2813, 0.2953, 0.3183
Android (android.graphics.Color)	4287798949 (0xFF929EA5)
YUV	155.2100, 4.8265, -8.0772
Hunter-Lab	57.6899, -5.4218, -1.1394

Details

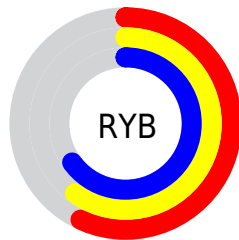
The Yxy color **33.2813, 0.2953, 0.3183** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8742, 0.3316, 0.3395**, and the grayscale version is **32.8600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0352, 0.2987, 0.3209**, and **14.1405, 0.2894, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **29.8480, 0.2800, 0.3080**, and if you desaturate by 10%, it is **37.0390, 0.3105, 0.3277**.

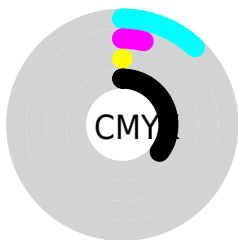
Distribution



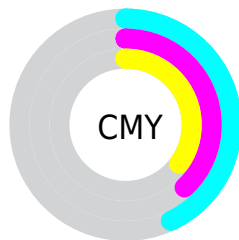
- Red (57%)
- Green (62%)
- Blue (65%)



- Red (57%)
- Yellow (60%)
- Blue (65%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)



- Cyan (43%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2813, 0.2953, 0.3183 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 33.2813, 0.2953, 0.3183 by changing the saturation by 10% instead.

■ 33.2813, 0.2953,
0.3183

■ 33.2813, 0.2953,
0.3183

316.9154, 0.3045,
0.3240

■ 22.3420, 0.2929,
0.3168

■ 64.8145, 0.2987,
0.3205

■ 14.1084, 0.2896,
0.3147

■ 86.1771, 0.3000,
0.3212

■ 8.1961, 0.2851,
0.3118

111.7831, 0.3011,
0.3219

■ 4.2207, 0.2784,
0.3075

142.0166, 0.3019,
0.3224

■ 1.7978, 0.2675,
0.3002

177.2623, 0.3027,
0.3229

■ 0.4858, 0.2229,
0.2750

217.9043, 0.3034,

■ 0.0000, 0.0000,

0.3233

0.0000

264.3272, 0.3039,
0.3237

■ 33.2813, 0.2953,
0.3183

■ 33.2813, 0.2953,
0.3183

■ 29.8480, 0.2800,
0.3080

■ 37.0390, 0.3105,
0.3277

■ 26.7242, 0.2648,
0.2967

■ 41.1271, 0.3252,
0.3361

■ 23.8997, 0.2500,
0.2845

■ 45.5566, 0.3395,
0.3436

■ 21.3622, 0.2360,
0.2715

■ 50.3370, 0.3531,
0.3502

■ 19.0983, 0.2232,
0.2579

■ 55.4769, 0.3661,
0.3560

■ 17.0932, 0.2120,
0.2440

■ 60.9850, 0.3783,
0.3611

■ 15.3302, 0.2025,
0.2299

■ 65.6088, 0.3844,
0.3663

■ 13.7899, 0.1952,
0.2159

■ 68.5039, 0.3822,
0.3725

■ 12.6216, 0.1901,
0.2043

■ 71.5133, 0.3800,
0.3785

Harmonies

Analogous

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



33.2813, 0.2963, 0.3255



33.2813, 0.2953, 0.3183



33.2813, 0.2989, 0.3141

Triad

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



33.2813, 0.2953, 0.3183



33.2813, 0.3239, 0.3242



33.2813, 0.3190, 0.3446

Complementary

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



33.2813, 0.2953, 0.3183



32.8742, 0.3316, 0.3395

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.



33.2813, 0.3266, 0.3441



33.2813, 0.2953, 0.3183



33.2813, 0.3295, 0.3321

Square

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



33.2813, 0.2953, 0.3183



33.2813, 0.3154, 0.3176



33.2813, 0.3305, 0.3394



33.2813, 0.3099, 0.3409

Rectangle

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



33.2813, 0.2953, 0.3183



33.2813, 0.3035, 0.3135



33.2813, 0.3305, 0.3394



33.2813, 0.3218, 0.3449

Sweetspot

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



33.2827, 0.2953, 0.3183



65.2417, 0.3081, 0.3263



35.3292, 0.3054, 0.3474



14.1450, 0.3070, 0.3256



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.2827, 0.2953, 0.3183



57.8479, 0.2911, 0.3156



30.1847, 0.2951, 0.3037



7.5689, 0.2987, 0.3205



9.6439, 0.1905, 0.2056



0.2883, 0.2043, 0.2556

Inverse Universe

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



31.0344, 0.3208, 0.3114



53.0127, 0.3230, 0.3071



36.0891, 0.3299, 0.3531



7.1575, 0.3191, 0.3149



6.8177, 0.4389, 0.2192



0.1519, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 33.2813, 0.2953, 0.3183 looks on a white background.

Color Contrast Check

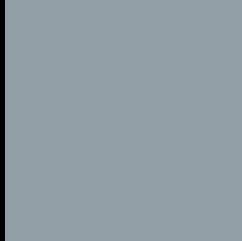
Large Text (above 18pt) WCAG AA × Fail

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 33.2813, 0.2953, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

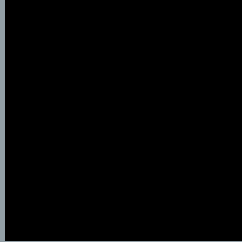
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

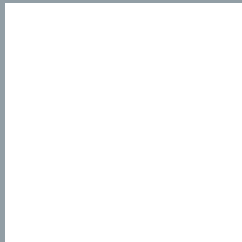
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2813, 0.2953, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 33.2813, 0.2953, 0.3183.



This preview shows how white text looks on a background with the Yxy color 33.2813, 0.2953, 0.3183.

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

33.2813, 0.2953, 0.3183

Protanopia

33.2551, 0.3074, 0.3171

Deuteranopia

32.9934, 0.3137, 0.3074



Tritanopia

33.2193, 0.2920, 0.3094

Trichromacy



Original Color

33.2813, 0.2953, 0.3183

Protanomaly

33.2296, 0.3027, 0.3170

Deuteranomaly

33.2353, 0.3067, 0.3114

Tritanomaly

33.1441, 0.2937, 0.3124

Monochromacy



Original Color

33.2813, 0.2953, 0.3183

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.9555, 0.3061, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2813, 0.2953, 0.3183 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(146, 158, 165)` looks like.

```
.text, #text, p{  
    color:rgb(146, 158, 165)  
}
```

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(146, 158, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 158, 165) }
```

Border

The CSS property to change the border of an element to Yxy 33.2813, 0.2953, 0.3183 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(146, 158, 165) }
```

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

```
.border{ border-color:rgb(146, 158, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 158, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(146, 158,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2813, 0.2953, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 158, 165) }
```

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

```
.background{ background-color: rgb(146,  
158, 165) }
```

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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