

Converting Colors

$Y_{xy}(32.7812, 0.3056, 0.3199)$

Have a look what the booklet for
Yxy(32.7812, 0.3056, 0.3199)
contains.

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Color

Yxy(32.7882, 0.3053, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	999BA1
RGB	153, 155, 161
RGB Percent	60%, 61%, 63%
CMY	0.4002, 0.3921, 0.3687
CMYK	0.05, 0.04, 0.00, 0.37
HSL	224°, 4%, 62%
HSV	224°, 5%, 63%
XYZ	31.2820, 32.7882, 38.3929
YIQ	155.0860, -3.1180, 1.4420

Conversions

Conversions Part 2

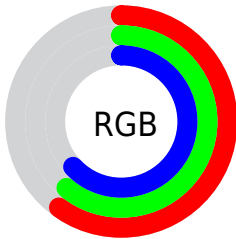
Format	Color
RYB	153, 155, 161
Decimal	10066849
CIELab	63.99, 0.43, -3.38
CIELCh	64, 3.411, 277.308
Yxy	32.7882, 0.3053, 0.3200
Android (android.graphics.Color)	4288256929 (0xFF999BA1)
YUV	155.0860, 2.9156, -1.8294
Hunter-Lab	57.2610, -2.6912, 0.3293

Details

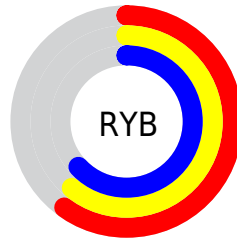
The Yxy color **32.7882, 0.3053, 0.3200** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6386, 0.3201, 0.3378**, and the grayscale version is **32.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8242, 0.3064, 0.3210**, and **13.8512, 0.3022, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **27.5489, 0.2895, 0.3003**, and if you desaturate by 10%, it is **38.6343, 0.3198, 0.3375**.

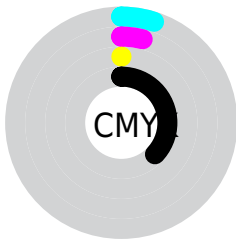
Distribution



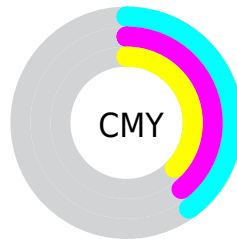
- Red (60%)
- Green (61%)
- Blue (63%)



- Red (60%)
- Yellow (61%)
- Blue (63%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)





- Cyan (40%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7882, 0.3053, 0.3200 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 32.7882, 0.3053, 0.3200 by changing the saturation by 10% instead.

 32.7882, 0.3053,
0.3200


 32.7882, 0.3053,
0.3200


314.6943, 0.3092,
0.3248

 21.9642, 0.3042,
0.3187


 64.0447, 0.3068,
0.3218

 13.8306, 0.3028,
0.3170


 85.2461, 0.3073,
0.3225

 8.0030, 0.3009,
0.3146


110.6753, 0.3078,
0.3230

 4.0968, 0.2979,
0.3111

140.7169, 0.3082,
0.3235

 1.7279, 0.2930,
0.3052

175.7552, 0.3085,
0.3239

 0.4416, 0.2708,
0.2779

216.1746, 0.3088,

 0.0000, 0.0000,

0.3242

0.0000

262.3595, 0.3090,
0.3245

■ 32.7882, 0.3053,
0.3200

■ 32.7882, 0.3053,
0.3200

■ 27.5489, 0.2895,
0.3003

■ 38.6343, 0.3198,
0.3375

■ 22.8926, 0.2725,
0.2783

■ 45.1020, 0.3330,
0.3528

■ 18.7997, 0.2546,
0.2541

■ 52.2104, 0.3449,
0.3662

■ 15.2482, 0.2362,
0.2280

■ 59.9770, 0.3556,
0.3778

■ 12.2145, 0.2179,
0.2007

■ 68.4182, 0.3652,
0.3880

■ 9.6730, 0.2006,
0.1731

■ 77.5500, 0.3738,
0.3968

■ 7.5959, 0.1851,
0.1464

■ 85.3150, 0.3738,
0.4067

■ 5.9524, 0.1723,
0.1220

■ 92.5193, 0.3698,
0.4172

■ 4.7064, 0.1629,
0.1012

■ 95.3528, 0.3683,
0.4210

Harmonies

Analogous

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



32.7882, 0.3026, 0.3221



32.7882, 0.3053, 0.3200



32.7882, 0.3099, 0.3203

Triad

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



32.7882, 0.3053, 0.3200



32.7882, 0.3229, 0.3318



32.7882, 0.3100, 0.3353

Complementary

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



32.7882, 0.3053, 0.3200



34.6386, 0.3201, 0.3378

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.



32.7882, 0.3154, 0.3379



32.7882, 0.3053, 0.3200



32.7882, 0.3229, 0.3359

Square

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



32.7882, 0.3053, 0.3200



32.7882, 0.3201, 0.3271



32.7882, 0.3202, 0.3381



32.7882, 0.3054, 0.3309

Rectangle

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



32.7882, 0.3053, 0.3200



32.7882, 0.3136, 0.3218



32.7882, 0.3202, 0.3381



32.7882, 0.3118, 0.3364

Sweetspot

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



32.7896, 0.3053, 0.3200



62.7676, 0.3112, 0.3272



34.7504, 0.3070, 0.3322



13.7795, 0.3113, 0.3273



80.7346, 0.3127, 0.3290



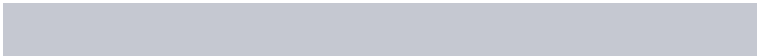
13.9985, 0.3127, 0.3290

Same Dimension

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



32.7896, 0.3053, 0.3200



57.6339, 0.3036, 0.3179



32.2867, 0.3072, 0.3169



7.4940, 0.3030, 0.3172



3.4153, 0.1593, 0.0935



0.1434, 0.1783, 0.1617

Inverse Universe

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



32.7065, 0.3188, 0.3259



57.4609, 0.3203, 0.3252



35.1664, 0.3181, 0.3409



7.4704, 0.3208, 0.3250



6.1889, 0.5857, 0.3000



0.1373, 0.4909, 0.2478

Previews

White Background



This preview shows how the Yxy color 32.7882, 0.3053, 0.3200 looks on a white background.

Color Contrast Check

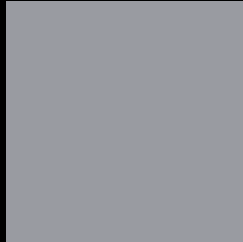
Large Text (above 18pt) WCAG AA × Fail

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 32.7882, 0.3053, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

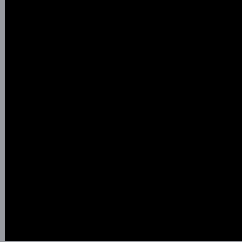
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

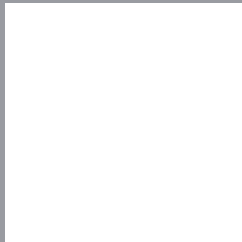
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7882, 0.3053, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 32.7882, 0.3053, 0.3200.



This preview shows how white text looks on a background with the Yxy color 32.7882, 0.3053, 0.3200.

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

32.7882, 0.3053, 0.3200

Protanopia

32.7172, 0.3092, 0.3200

Deuteranopia

32.6368, 0.3186, 0.3116



Tritanopia

32.7344, 0.3019, 0.3111

Trichromacy



Original Color

32.7882, 0.3053, 0.3200

Protanomaly

32.6178, 0.3082, 0.3200

Deuteranomaly

32.7465, 0.3134, 0.3143

Tritanomaly

32.6616, 0.3037, 0.3140

Monochromacy



Original Color

32.7882, 0.3053, 0.3200

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.7470, 0.3099, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7882, 0.3053, 0.3200 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, 155, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 155, 161)  
}
```

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, 155, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 155, 161) }
```

Border

The CSS property to change the border of an element to Yxy 32.7882, 0.3053, 0.3200 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, 155, 161) }
```

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

```
.border{ border-color:rgb(153, 155, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 155, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 155, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 155, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 155,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7882, 0.3053, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 155, 161) }
```

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

```
.background{ background-color: rgb(153,  
155, 161) }
```

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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