

Converting Colors

$Y_{xy}(32.3311, 0.2702, 0.3100)$

Have a look what the booklet for
Yxy(32.3311, 0.2702, 0.3100)
contains.

Yxy(32.3311, 0.2702, 0.3100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.3311, 0.2702, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	7BA0AC
RGB	123, 160, 172
RGB Percent	48%, 63%, 67%
CMY	0.5178, 0.3725, 0.3255
CMYK	0.29, 0.07, 0.00, 0.33
HSL	195°, 23%, 58%
HSV	195°, 29%, 67%
XYZ	28.1802, 32.3311, 43.7826
YIQ	150.3050, -25.9040, -4.1120

Conversions

Conversions Part 2

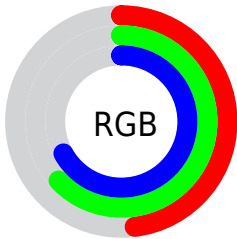
Format	Color
RYB	123, 144, 172
Decimal	8102060
CIELab	63.62, -9.77, -10.35
CIElCh	64, 14.231, 226.667
Yxy	32.3311, 0.2702, 0.3100
Android (android.graphics.Color)	4286292140 (0xFF7BA0AC)
YUV	150.3050, 10.6956, -23.9465
Hunter-Lab	56.8604, -11.0406, -5.8510

Details

The Yxy color **32.3311, 0.2702, 0.3100** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.5098, 0.3690, 0.3472**, and the grayscale version is **30.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4940, 0.2790, 0.3147**, and **13.6711, 0.2562, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **29.7412, 0.2563, 0.3023**, and if you desaturate by 10%, it is **35.1957, 0.2848, 0.3172**.

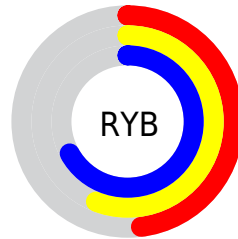
Distribution



Red (48%)

Green (63%)

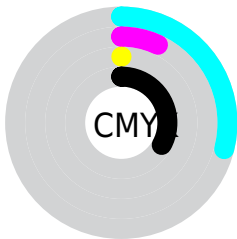
Blue (67%)



Red (48%)

Yellow (56%)

Blue (67%)

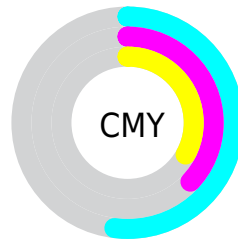


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (37%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3311, 0.2702, 0.3100 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 32.3311, 0.2702, 0.3100 by changing the saturation by 10% instead.

■ 32.3311, 0.2702,
0.3100

■ 32.3311, 0.2702,
0.3100

■ 312.6248, 0.2925,
0.3204

■ 21.6145, 0.2643,
0.3071

■ 63.3298, 0.2785,
0.3140

■ 13.5739, 0.2566,
0.3032

■ 84.3807, 0.2816,
0.3154

■ 7.8249, 0.2459,
0.2976

■ 109.6452, 0.2841,
0.3166

■ 3.9831, 0.2303,
0.2891

■ 139.5076, 0.2863,
0.3176

■ 1.6641, 0.2055,
0.2745

■ 174.3524, 0.2882,
0.3184

■ 0.4003, 0.0828,
0.2334

■ 214.5639, 0.2898,

■ 0.0000, 0.0000,

0.3192

0.0000

260.5266, 0.2912,
0.3198

■ 32.3311, 0.2702,
0.3100

■ 32.3311, 0.2702,
0.3100

■ 29.7412, 0.2563,
0.3023

■ 35.1957, 0.2848,
0.3172

■ 27.4100, 0.2434,
0.2940

■ 38.3423, 0.2998,
0.3238

■ 25.3254, 0.2318,
0.2854

■ 41.7829, 0.3150,
0.3299

■ 23.4731, 0.2219,
0.2766

■ 45.5275, 0.3300,
0.3353

■ 21.8364, 0.2137,
0.2676

■ 49.5854, 0.3447,
0.3401

■ 20.3963, 0.2075,
0.2586

■ 53.9657, 0.3590,
0.3444

■ 19.1191, 0.2030,
0.2497

■ 58.6770, 0.3727,
0.3481

■ 18.9359, 0.2023,
0.2484

■ 62.6593, 0.3812,
0.3518

■ 64.5519, 0.3798,
0.3561

Harmonies

Analogous

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



32.3311, 0.2777, 0.3300



32.3311, 0.2702, 0.3100



32.3311, 0.2735, 0.2962

Triad

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



32.3311, 0.2702, 0.3100



32.3311, 0.3304, 0.3087



32.3311, 0.3380, 0.3687

Complementary

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



32.3311, 0.2702, 0.3100



27.5098, 0.3690, 0.3472

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.



32.3311, 0.3531, 0.3611



32.3311, 0.2702, 0.3100



32.3311, 0.3488, 0.3265

Square

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



32.3311, 0.2702, 0.3100



32.3311, 0.3077, 0.2961



32.3311, 0.3572, 0.3455



32.3311, 0.3165, 0.3650

Rectangle

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



32.3311, 0.2702, 0.3100



32.3311, 0.2815, 0.2919



32.3311, 0.3572, 0.3455



32.3311, 0.3441, 0.3673

Sweetspot

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



32.3324, 0.2702, 0.3100



69.1759, 0.2989, 0.3234



35.4436, 0.3001, 0.3904



14.8522, 0.2967, 0.3225



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.



32.3324, 0.2702, 0.3100



55.7353, 0.2616, 0.3053



24.8036, 0.2661, 0.2703



8.7355, 0.2986, 0.3233



14.1811, 0.2026, 0.2493



0.4733, 0.2101, 0.2762

Inverse Universe

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



25.4636, 0.3291, 0.2754



41.5682, 0.3336, 0.2637



34.9675, 0.3596, 0.3814



8.1141, 0.3173, 0.3120



7.7346, 0.3929, 0.1938



0.2231, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 32.3311, 0.2702, 0.3100 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 32.3311, 0.2702, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

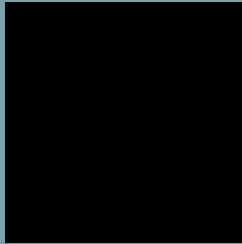
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3311, 0.2702, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 32.3311, 0.2702, 0.3100.



This preview shows how white text looks on a background with the Yxy color 32.3311, 0.2702, 0.3100.

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

32.3311, 0.2702, 0.3100

Protanopia

32.2479, 0.2991, 0.3080

Deuteranopia

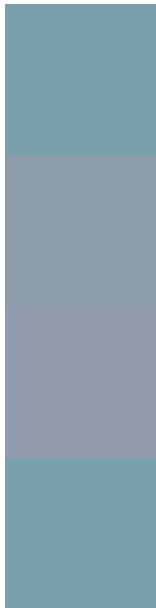
32.2396, 0.2996, 0.2941



Tritanopia

32.3697, 0.2695, 0.3084

Trichromacy



Original Color

32.3311, 0.2702, 0.3100

Protanomaly

32.3042, 0.2873, 0.3091

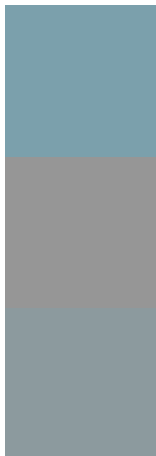
Deuteranomaly

32.2393, 0.2884, 0.3004

Tritanomaly

32.3697, 0.2695, 0.3084

Monochromacy



Original Color

32.3311, 0.2702, 0.3100

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1553, 0.2956, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3311, 0.2702, 0.3100 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(123, 160, 172)` looks like.

```
.text, #text, p{  
    color:rgb(123, 160, 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(123, 160, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 160, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.3311, 0.2702, 0.3100 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(123, 160, 172) }
```

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

```
.border{ border-color:rgb(123, 160, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 160, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 160, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 160, 172);  
box-shadow:4px 4px 4px 4px rgb(123, 160,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3311, 0.2702, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 160, 172) }
```

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

```
.background{ background-color: rgb(123,  
160, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor