

Converting Colors

$Y_{xy}(32.4094, 0.2928, 0.3627)$

Have a look what the booklet for
Yxy(32.4094, 0.2928, 0.3627)
contains.

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Color

Yxy(32.3151, 0.2922, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	7AA38F
RGB	122, 163, 143
RGB Percent	48%, 64%, 56%
CMY	0.5217, 0.3607, 0.4392
CMYK	0.25, 0.00, 0.12, 0.36
HSL	151°, 18%, 56%
HSV	151°, 25%, 64%
XYZ	26.0770, 32.3151, 30.8515
YIQ	148.4610, -18.0160, -14.9120

Conversions

Conversions Part 2

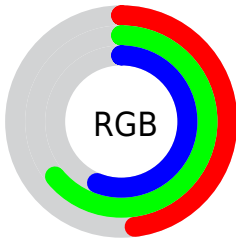
Format	Color
RYB	122, 149, 163
Decimal	8037263
CIELab	63.60, -18.22, 5.88
CIElCh	64, 19.146, 162.102
Yxy	32.3151, 0.2922, 0.3621
Android (android.graphics.Color)	4286227343 (0xFF7AA38F)
YUV	148.4610, -2.6923, -23.2063
Hunter-Lab	56.8464, -17.5984, 7.6148

Details

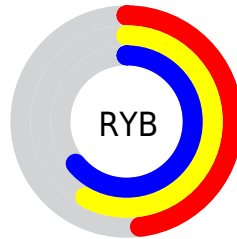
The Yxy color **32.3151, 0.2922, 0.3621** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.6487, 0.3397, 0.2982**, and the grayscale version is **29.8315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2880, 0.2962, 0.3548**, and **13.5369, 0.2847, 0.3730** is the 20% darker color. If you saturate the color by 10%, you get **30.9928, 0.2849, 0.3777**, and if you desaturate by 10%, it is **33.8567, 0.3001, 0.3479**.

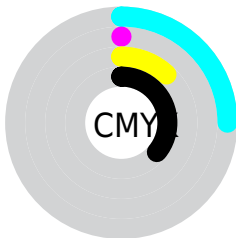
Distribution



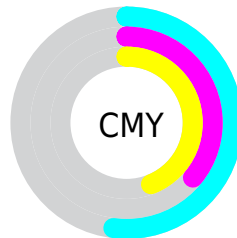
- Red (48%)
- Green (64%)
- Blue (56%)



- Red (48%)
- Yellow (58%)
- Blue (64%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)





- Cyan (52%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3151, 0.2922, 0.3621 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 32.3151, 0.2922, 0.3621 by changing the saturation by 10% instead.


 32.3151, 0.2922,
0.3621


 32.3151, 0.2922,
0.3621


312.5521, 0.3033,
0.3442


 21.6023, 0.2891,
0.3671


 63.3047, 0.2964,
0.3552

 13.5650, 0.2850,
0.3739


 84.3504, 0.2980,
0.3527

 7.8187, 0.2791,
0.3836


 109.6090, 0.2992,
0.3507

 3.9792, 0.2701,
0.3987

139.4652, 0.3003,
0.3490

 1.6619, 0.2545,
0.4250

174.3032, 0.3012,
0.3475

 0.3988, 0.0000,
0.9458

214.5074, 0.3020,

 0.0000, 0.0000,

0.3462

0.0000

260.4622, 0.3027,
0.3451

■ 32.3151, 0.2922,
0.3621

■ 32.3151, 0.2922,
0.3621

■ 30.9928, 0.2849,
0.3777

■ 33.8567, 0.3001,
0.3479

■ 29.8754, 0.2785,
0.3944

■ 35.6233, 0.3084,
0.3351

■ 28.9533, 0.2733,
0.4123

■ 37.6250, 0.3168,
0.3237

■ 28.2139, 0.2696,
0.4308

■ 39.8705, 0.3251,
0.3135

■ 27.6438, 0.2677,
0.4497

■ 42.3678, 0.3333,
0.3045

■ 27.2270, 0.2677,
0.4684

■ 45.1247, 0.3413,
0.2967

■ 26.9438, 0.2696,
0.4864

■ 48.1484, 0.3489,
0.2898

■ 26.8319, 0.2708,
0.4949

■ 51.4461, 0.3562,
0.2838

■ 52.3392, 0.3513,
0.2763

Harmonies

Analogous

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



32.3151, 0.3221, 0.3799



32.3151, 0.2922, 0.3621



32.3151, 0.2686, 0.3344

Triad

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



32.3151, 0.2922, 0.3621



32.3151, 0.2748, 0.2792



32.3151, 0.3722, 0.3467

Complementary

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



32.3151, 0.2922, 0.3621



23.6487, 0.3397, 0.2982

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.



32.3151, 0.3583, 0.3215



32.3151, 0.2922, 0.3621



32.3151, 0.3011, 0.2837

Square

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



32.3151, 0.2922, 0.3621



32.3151, 0.2589, 0.2869



32.3151, 0.3319, 0.2990



32.3151, 0.3690, 0.3689

Rectangle

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



32.3151, 0.2922, 0.3621



32.3151, 0.2592, 0.3153



32.3151, 0.3319, 0.2990



32.3151, 0.3693, 0.3383

Sweetspot

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



32.3164, 0.2922, 0.3621



62.8076, 0.3059, 0.3388



33.3964, 0.3291, 0.3947



14.0012, 0.3047, 0.3406



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.



32.3164, 0.2922, 0.3621



56.5467, 0.2882, 0.3703



32.9778, 0.2766, 0.3289



7.9528, 0.3050, 0.3402



20.8594, 0.2704, 0.4933



0.4478, 0.2521, 0.4277

Inverse Universe

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



23.6487, 0.3397, 0.2982



38.4322, 0.3472, 0.2913



23.1009, 0.3644, 0.3292



7.1408, 0.3212, 0.3181



6.5044, 0.4972, 0.2513



0.1462, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 32.3151, 0.2922, 0.3621 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 32.3151, 0.2922, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

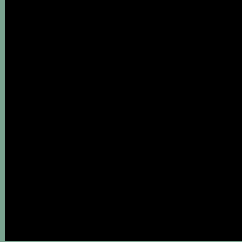
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3151, 0.2922, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 32.3151, 0.2922, 0.3621.



This preview shows how white text looks on a background with the Yxy color 32.3151, 0.2922, 0.3621.

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

32.3151, 0.2922, 0.3621

Protanopia

32.0910, 0.3342, 0.3519

Deuteranopia

31.9131, 0.3389, 0.3320



Tritanopia

32.3640, 0.2741, 0.3086

Trichromacy



Original Color

32.3151, 0.2922, 0.3621

Protanomaly

32.1184, 0.3173, 0.3558

Deuteranomaly

31.5991, 0.3202, 0.3414

Tritanomaly

32.1504, 0.2811, 0.3273

Monochromacy



Original Color

32.3151, 0.2922, 0.3621

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3468, 0.3053, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3151, 0.2922, 0.3621 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(122, 163, 143)` looks like.

```
.text, #text, p{  
    color:rgb(122, 163, 143)  
}
```

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(122, 163, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 163, 143) }
```

Border

The CSS property to change the border of an element to Yxy 32.3151, 0.2922, 0.3621 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(122, 163, 143) }
```

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

```
.border{ border-color:rgb(122, 163, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 163, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 163, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 163, 143);  
box-shadow:4px 4px 4px 4px rgb(122, 163,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3151, 0.2922, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 163, 143) }
```

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

```
.background{ background-color: rgb(122,  
163, 143) }
```

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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