

Converting Colors

$Yxy(32.9443, 0.2308, 0.3121)$

Have a look what the booklet for
Yxy(32.9443, 0.2308, 0.3121)
contains.

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Color

Yxy(32.9443, 0.2308, 0.3121)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3AAAB4 |
| RGB | 58, 170, 180 |
| RGB Percent | 23%, 67%, 71% |
| CMY | 0.7720, 0.3334, 0.2941 |
| CMYK | 0.68, 0.06, 0.00, 0.29 |
| HSL | 185°, 51%, 47% |
| HSV | 185°, 68%, 71% |
| XYZ | 24.3625, 32.9443, 48.2500 |
| YIQ | 137.6520, -69.9620, -20.6340 |

Conversions

Conversions Part 2

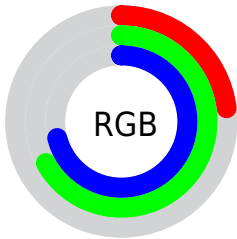
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 58, 116, 180 |
| Decimal | 3844788 |
| CIE Lab | 64.12, -27.71, -14.35 |
| CIE LCh | 64, 31.208, 207.372 |
| Yxy | 32.9443, 0.2308, 0.3121 |
| Android (android.graphics.Color) | 4282034868 (0xFF3AAAB4) |
| YUV | 137.6520, 20.8776, -69.8548 |
| Hunter-Lab | 57.3971, -24.6797, -9.6633 |

Details

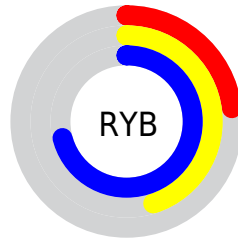
The Yxy color **32.9443, 0.2308, 0.3121** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1592, 0.5228, 0.3417**, and the grayscale version is **25.2290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5138, 0.2463, 0.3164**, and **14.2549, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **31.9452, 0.2248, 0.3093**, and if you desaturate by 10%, it is **34.1407, 0.2387, 0.3149**.

Distribution



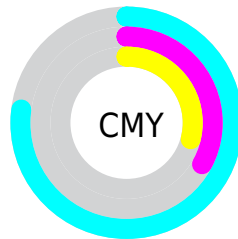
- Red (23%)
- Green (67%)
- Blue (71%)



- Red (23%)
- Yellow (45%)
- Blue (71%)



- Cyan (68%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)





- Cyan (77%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9443, 0.2308, 0.3121 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 32.9443, 0.2308, 0.3121 by changing the saturation by 10% instead.


 32.9443, 0.2308,
0.3121


 32.9443, 0.2308,
0.3121


315.3987, 0.2728,
0.3222

 22.0838, 0.2201,
0.3090


 64.2886, 0.2463,
0.3162


 13.9185, 0.2062,
0.3046


 85.5411, 0.2520,
0.3176


 8.0640, 0.1876,
0.2980

 111.0264, 0.2569,
0.3188

 4.1359, 0.1617,
0.2874

 141.1289, 0.2610,
0.3197

 1.7499, 0.1240,
0.2684

 176.2330, 0.2646,
0.3205

 0.4556, 0.0000,
0.2212

216.7230, 0.2677,

 0.0000, 0.0000,

0.3212

0.0000

262.9835, 0.2704,
0.3217

■ 32.9443, 0.2308,
0.3121

■ 32.9443, 0.2308,
0.3121

■ 31.9452, 0.2248,
0.3093

■ 34.1407, 0.2387,
0.3149

■ 31.1192, 0.2206,
0.3065

■ 35.5485, 0.2484,
0.3176

■ 30.4355, 0.2181,
0.3038

■ 37.1844, 0.2597,
0.3203

■ 30.2861, 0.2176,
0.3032

■ 39.0628, 0.2724,
0.3228

■ 41.1965, 0.2863,
0.3252

■ 43.5976, 0.3010,
0.3274

■ 46.2774, 0.3163,
0.3295

■ 49.2464, 0.3318,
0.3313

■ 52.5147, 0.3473,
0.3330

Harmonies

Analogous

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



32.9443, 0.2583, 0.3609



32.9443, 0.2308, 0.3121



32.9443, 0.2239, 0.2736

Triad

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



32.9443, 0.2308, 0.3121



32.9443, 0.3183, 0.2687



32.9443, 0.3900, 0.4052

Complementary

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



32.9443, 0.2308, 0.3121



14.1592, 0.5228, 0.3417

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.



32.9443, 0.4099, 0.3739



32.9443, 0.2308, 0.3121



32.9443, 0.3672, 0.2981

Square

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



32.9443, 0.2308, 0.3121



32.9443, 0.2713, 0.2526



32.9443, 0.4018, 0.3354



32.9443, 0.3497, 0.4179

Rectangle

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



32.9443, 0.2308, 0.3121



32.9443, 0.2311, 0.2581



32.9443, 0.4018, 0.3354



32.9443, 0.3994, 0.3962

Sweetspot

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



32.9455, 0.2308, 0.3121



73.6380, 0.2826, 0.3246



33.9392, 0.2991, 0.5324



15.6818, 0.2787, 0.3239



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.9455, 0.2308, 0.3121



57.1909, 0.2226, 0.3080



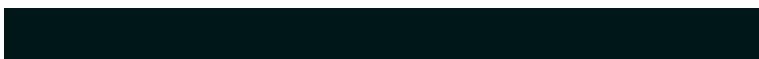
15.5538, 0.2046, 0.2031



9.5099, 0.2986, 0.3271



21.1868, 0.2177, 0.3035



0.7015, 0.2198, 0.3112

Inverse Universe

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



15.6438, 0.3332, 0.1889



24.5535, 0.3378, 0.1734



25.2360, 0.4541, 0.4213



8.6345, 0.3150, 0.3084



8.6790, 0.3423, 0.1660



0.2766, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 32.9443, 0.2308, 0.3121 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 32.9443, 0.2308, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

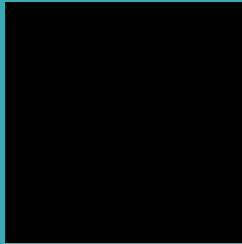
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

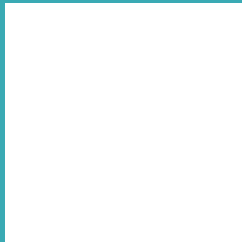
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9443, 0.2308, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 32.9443, 0.2308, 0.3121.



This preview shows how white text looks on a background with the Yxy color 32.9443, 0.2308, 0.3121.

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

32.9443, 0.2308, 0.3121

Protanopia

32.4193, 0.2983, 0.3052

Deuteranopia

32.5625, 0.2873, 0.2815



Tritanopia

32.7555, 0.2295, 0.3056

Trichromacy



Original Color

32.9443, 0.2308, 0.3121



Protanomaly

31.7353, 0.2662, 0.3066



Deuteranomaly

31.8657, 0.2597, 0.2901



Tritanomaly

32.6831, 0.2297, 0.3072

Monochromacy



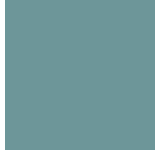
Original Color

32.9443, 0.2308, 0.3121



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.3638, 0.2716, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9443, 0.2308, 0.3121 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(58, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(58, 170, 180)  
}
```

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(58, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 170, 180) }
```

Border

The CSS property to change the border of an element to Yxy 32.9443, 0.2308, 0.3121 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(58, 170, 180) }
```

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

```
.border{ border-color:rgb(58, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(58, 170,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9443, 0.2308, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 170, 180) }
```

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

```
.background{ background-color: rgb(58, 170,  
180) }
```

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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