

Converting Colors

$Y_{xy}(32.9289, 0.2377, 0.3277)$

Have a look what the booklet for
Yxy(32.9289, 0.2377, 0.3277)
contains.

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Color

Yxy(32.7465, 0.2375, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	3FAAAB
RGB	63, 170, 171
RGB Percent	25%, 67%, 67%
CMY	0.7527, 0.3333, 0.3295
CMYK	0.63, 0.01, 0.00, 0.33
HSL	181°, 46%, 46%
HSV	181°, 63%, 67%
XYZ	23.7765, 32.7465, 43.5886
YIQ	138.1210, -64.0930, -22.3730

Conversions

Conversions Part 2

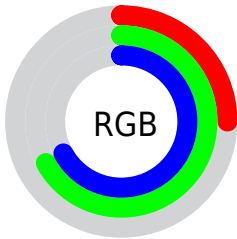
Format	Color
RYB	63, 117, 171
Decimal	4172459
CIELab	63.96, -29.59, -9.55
CIElCh	64, 31.091, 197.884
Yxy	32.7465, 0.2375, 0.3271
Android (android.graphics.Color)	4282362539 (0xFF3FAAAB)
YUV	138.1210, 16.2093, -65.8811
Hunter-Lab	57.2246, -25.9772, -5.1047

Details

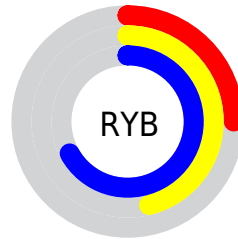
The Yxy color **32.7465, 0.2375, 0.3271** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.6873, 0.5092, 0.3309**, and the grayscale version is **25.4251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1688, 0.2523, 0.3288**, and **14.0545, 0.2233, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **32.2104, 0.2315, 0.3268**, and if you desaturate by 10%, it is **33.4600, 0.2454, 0.3274**.

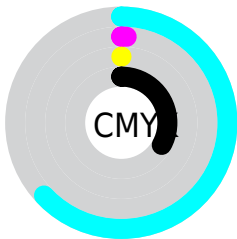
Distribution



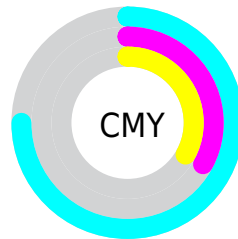
- Red (25%)
- Green (67%)
- Blue (67%)



- Red (25%)
- Yellow (46%)
- Blue (67%)



- Cyan (63%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)




- Cyan (75%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7465, 0.2375, 0.3271 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 32.7465, 0.2375, 0.3271 by changing the saturation by 10% instead.

 32.7465, 0.2375,
0.3271


 32.7465, 0.2375,
0.3271


314.5059, 0.2764,
0.3291


 21.9323, 0.2274,
0.3262


 63.9796, 0.2519,
0.3281


 13.8072, 0.2143,
0.3248


 85.1672, 0.2572,
0.3284

 7.9867, 0.1966,
0.3223


 110.5815, 0.2617,
0.3286

 4.0864, 0.1716,
0.3178

 140.6068, 0.2655,
0.3288

 1.7220, 0.1335,
0.3082

 175.6275, 0.2688,
0.3289

 0.4379, 0.0000,
0.2748

216.0279, 0.2717,

 0.0000, 0.0000,

0.3290

0.0000

262.1926, 0.2742,
0.3290

■ 32.7465, 0.2375,
0.3271

■ 32.7465, 0.2375,
0.3271

■ 32.2104, 0.2315,
0.3268

■ 33.4600, 0.2454,
0.3274

■ 31.8312, 0.2274,
0.3265

■ 34.3618, 0.2550,
0.3277

■ 31.5901, 0.2249,
0.3262

■ 35.4663, 0.2664,
0.3280

■ 31.4735, 0.2239,
0.3260

■ 36.7855, 0.2791,
0.3284

■ 38.3303, 0.2931,
0.3286

■ 40.1110, 0.3079,
0.3289

■ 42.1373, 0.3234,
0.3292

■ 44.4183, 0.3392,
0.3294

■ 46.9625, 0.3551,
0.3296

Harmonies

Analogous

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



32.7465, 0.2707, 0.3757



32.7465, 0.2375, 0.3271



32.7465, 0.2239, 0.2841

Triad

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



32.7465, 0.2375, 0.3271



32.7465, 0.3025, 0.2621



32.7465, 0.3988, 0.3966

Complementary

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



32.7465, 0.2375, 0.3271



12.6873, 0.5092, 0.3309

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.



32.7465, 0.4104, 0.3620



32.7465, 0.2375, 0.3271



32.7465, 0.3524, 0.2877

Square

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



32.7465, 0.2375, 0.3271



32.7465, 0.2590, 0.2511



32.7465, 0.3932, 0.3231



32.7465, 0.3639, 0.4165

Rectangle

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



32.7465, 0.2375, 0.3271



32.7465, 0.2266, 0.2645



32.7465, 0.3932, 0.3231



32.7465, 0.4057, 0.3862

Sweetspot

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



32.7477, 0.2375, 0.3271



66.8916, 0.2843, 0.3285



30.5389, 0.3033, 0.5290



14.7519, 0.2805, 0.3284



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.



32.7477, 0.2375, 0.3271



57.3776, 0.2295, 0.3267



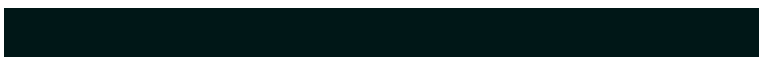
16.7256, 0.2148, 0.2278



9.0593, 0.2987, 0.3288



23.7349, 0.2239, 0.3260



0.6642, 0.2241, 0.3269

Inverse Universe

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



15.1197, 0.3207, 0.1877



23.2581, 0.3220, 0.1690



21.7433, 0.4501, 0.4069



8.1468, 0.3139, 0.3069



8.6991, 0.3232, 0.1554



0.2424, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 32.7465, 0.2375, 0.3271 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 32.7465, 0.2375, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

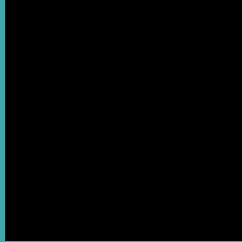
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

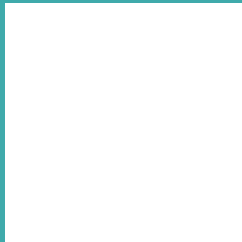
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7465, 0.2375, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 32.7465, 0.2375, 0.3271.

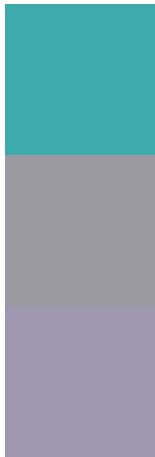


This preview shows how white text looks on a background with the Yxy color 32.7465, 0.2375, 0.3271.

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

32.7465, 0.2375, 0.3271

Protanopia

32.3242, 0.3074, 0.3170

Deuteranopia

32.2788, 0.2987, 0.2927



Tritanopia

32.6116, 0.2327, 0.3057

Trichromacy



Original Color

32.7465, 0.2375, 0.3271



Protanomaly

31.6505, 0.2745, 0.3193



Deuteranomaly

31.4550, 0.2691, 0.3022



Tritanomaly

32.7485, 0.2345, 0.3138

Monochromacy



Original Color

32.7465, 0.2375, 0.3271



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.3942, 0.2757, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7465, 0.2375, 0.3271 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(63, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(63, 170, 171)  
}
```

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(63, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 170, 171) }
```

Border

The CSS property to change the border of an element to Yxy 32.7465, 0.2375, 0.3271 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(63, 170, 171) }
```

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

```
.border{ border-color:rgb(63, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(63, 170,  
171) }
```


Background

The CSS property to change the background color of an element to `rgb(32.7465, 0.2375, 0.3271)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 170, 171) }
```

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

```
.background{ background-color: rgb(63, 170,  
171) }
```

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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