

Converting Colors

$Y_{xy}(32.0814, 0.2143, 0.2915)$

Have a look what the booklet for
Yxy(32.0814, 0.2143, 0.2915)
contains.

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Color

Yxy(32.1375, 0.2145, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	00A9BF
RGB	0, 169, 191
RGB Percent	0%, 66%, 75%
CMY	1.0000, 0.3372, 0.2509
CMYK	1.00, 0.12, 0.00, 0.25
HSL	187°, 100%, 37%
HSV	187°, 100%, 75%
XYZ	23.5917, 32.1375, 54.2554
YIQ	120.9770, -107.7860, -28.9860

Conversions

Conversions Part 2

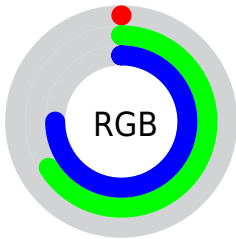
Format	Color
RYB	0, 90, 191
Decimal	43455
CIELab	63.46, -28.26, -21.57
CIELCh	63, 35.546, 217.350
Yxy	32.1375, 0.2145, 0.2922
Android (android.graphics.Color)	4278233535 (0xFF00A9BF)
YUV	120.9770, 34.5213, -106.0968
Hunter-Lab	56.6899, -24.9241, -17.0608

Details

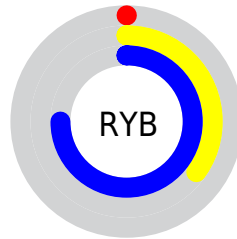
The Yxy color **32.1375, 0.2145, 0.2922** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6518, 0.6307, 0.3375**, and the grayscale version is **19.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2185, 0.2330, 0.3015**, and **14.3258, 0.2108, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **32.1391, 0.2145, 0.2922**, and if you desaturate by 10%, it is **33.1044, 0.2172, 0.2961**.

Distribution



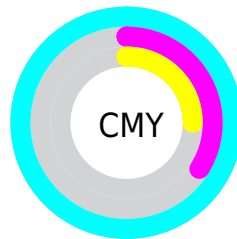
- Red (0%)
- Green (66%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (34%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1375, 0.2145, 0.2922 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 32.1375, 0.2145, 0.2922 by changing the saturation by 10% instead.


 32.1375, 0.2145,
0.2922


 32.1375, 0.2145,
0.2922


311.7451, 0.2645,
0.3132


 21.4665, 0.2020,
0.2861


 63.0266, 0.2328,
0.3005

 13.4655, 0.1860,
0.2778


 84.0135, 0.2396,
0.3034


 7.7498, 0.1649,
0.2658


 109.2079, 0.2454,
0.3058

 3.9353, 0.1365,
0.2476

 138.9941, 0.2503,
0.3078

 1.6374, 0.0966,
0.2178

 173.7565, 0.2546,
0.3095

 0.3826, 0.0000,
0.1438

213.8796, 0.2583,

 0.0000, 0.0000,

0.3109

0.0000

259.7476, 0.2616,
0.3121

■ 32.1375, 0.2145,
0.2922

■ 32.1375, 0.2145,
0.2922

■ 32.1391, 0.2145,
0.2922

■ 33.1044, 0.2172,
0.2961

■ 34.2205, 0.2213,
0.3001

■ 35.5370, 0.2273,
0.3041

■ 37.0788, 0.2352,
0.3081

■ 38.8674, 0.2449,
0.3120

■ 40.9212, 0.2562,
0.3158

■ 43.2572, 0.2689,
0.3195

■ 45.8907, 0.2828,
0.3229

■ 48.8359, 0.2975,
0.3261

Harmonies

Analogous

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



32.1375, 0.2377, 0.3464



32.1375, 0.2145, 0.2922



32.1375, 0.2149, 0.2555

Triad

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



32.1375, 0.2145, 0.2922



32.1375, 0.3380, 0.2703



32.1375, 0.3871, 0.4239

Complementary

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



32.1375, 0.2145, 0.2922



11.6518, 0.6307, 0.3375

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.



32.1375, 0.4196, 0.3925



32.1375, 0.2145, 0.2922



32.1375, 0.3913, 0.3068

Square

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



32.1375, 0.2145, 0.2922



32.1375, 0.2817, 0.2467



32.1375, 0.4220, 0.3500



32.1375, 0.3361, 0.4298

Rectangle

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



32.1375, 0.2145, 0.2922



32.1375, 0.2279, 0.2433



32.1375, 0.4220, 0.3500



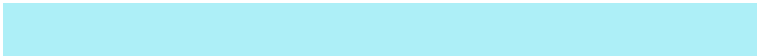
32.1375, 0.4006, 0.4155

Sweetspot

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



32.1391, 0.2145, 0.2922



77.2540, 0.2683, 0.3193



37.3136, 0.2981, 0.5932



16.5605, 0.2627, 0.3178



97.7402, 0.3127, 0.3290



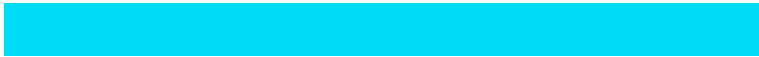
20.4902, 0.3127, 0.3290

Same Dimension

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



32.1391, 0.2145, 0.2922



57.3225, 0.2143, 0.2916



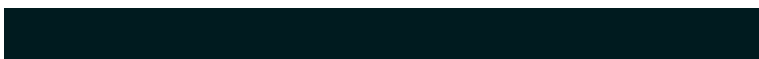
8.9868, 0.1683, 0.1259



10.6167, 0.2985, 0.3263



21.1945, 0.2147, 0.2927



0.8841, 0.2173, 0.3022

Inverse Universe

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



13.9424, 0.3524, 0.1715



24.9445, 0.3529, 0.1718



23.2496, 0.5120, 0.4317



9.6768, 0.3155, 0.3089



9.1693, 0.3519, 0.1712



0.3646, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 32.1375, 0.2145, 0.2922 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 32.1375, 0.2145, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

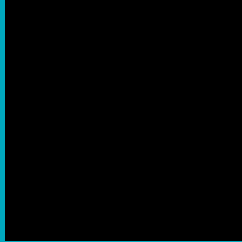
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

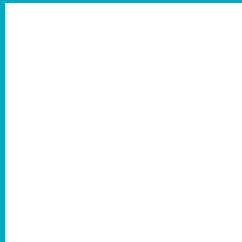
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1375, 0.2145, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 32.1375, 0.2145, 0.2922.



This preview shows how white text looks on a background with the Yxy color 32.1375, 0.2145, 0.2922.

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

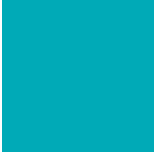
32.1375, 0.2145, 0.2922

Protanopia

31.5909, 0.2842, 0.2874

Deuteranopia

31.7726, 0.2697, 0.2642



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.1375, 0.2145, 0.2922



Protanomaly

30.2523, 0.2419, 0.2883



Deuteranomaly

30.2843, 0.2340, 0.2704



Tritanomaly

32.2946, 0.2172, 0.3018

Monochromacy



Original Color

32.1375, 0.2145, 0.2922



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.8301, 0.2489, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1375, 0.2145, 0.2922 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(0, 169, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 191)  
}
```

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(0, 169, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 191) }
```

Border

The CSS property to change the border of an element to Yxy 32.1375, 0.2145, 0.2922 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(0, 169, 191) }
```

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

```
.border{ border-color:rgb(0, 169, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1375, 0.2145, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 191) }
```

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

```
.background{ background-color: rgb(0, 169,  
191) }
```

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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