

Converting Colors

$Y_{xy}(31.6942, 0.2069, 0.2769)$

Have a look what the booklet for
Yxy(31.6942, 0.2069, 0.2769)
contains.

Yxy(32.1288, 0.2107, 0.2784)	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(32.1288, 0.2107, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	00A8C7
RGB	0, 168, 199
RGB Percent	0%, 66%, 78%
CMY	0.9985, 0.3412, 0.2196
CMYK	1.00, 0.16, 0.00, 0.22
HSL	189°, 100%, 39%
HSV	189°, 100%, 78%
XYZ	24.3159, 32.1288, 58.9605
YIQ	121.3020, -110.0790, -25.9750

Conversions

Conversions Part 2

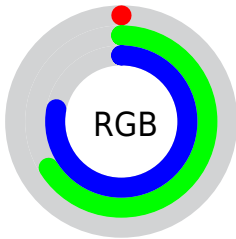
Format	Color
RYB	0, 91, 199
Decimal	43207
CIELab	63.45, -25.04, -26.03
CIELCh	63, 36.125, 226.112
Yxy	32.1288, 0.2107, 0.2784
Android (android.graphics.Color)	4278233287 (0xFF00A8C7)
YUV	121.3020, 38.3051, -106.3819
Hunter-Lab	56.6823, -22.6201, -21.9955

Details

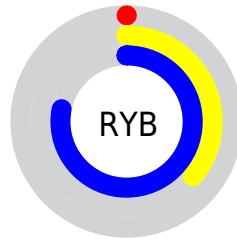
The Yxy color **32.1288, 0.2107, 0.2784** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.1465, 0.6251, 0.3416**, and the grayscale version is **19.1630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7047, 0.2295, 0.2896**, and **14.5351, 0.2069, 0.2648** is the 20% darker color. If you saturate the color by 10%, you get **32.1048, 0.2106, 0.2783**, and if you desaturate by 10%, it is **33.4406, 0.2138, 0.2839**.

Distribution



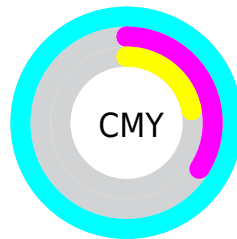
- Red (0%)
- Green (66%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1288, 0.2107, 0.2784 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 32.1288, 0.2107, 0.2784 by changing the saturation by 10% instead.


 32.1288, 0.2107,
0.2784


 32.1288, 0.2107,
0.2784


 311.7056, 0.2624,
0.3065


 21.4599, 0.1979,
0.2706


 63.0130, 0.2295,
0.2892


 13.4606, 0.1816,
0.2601


 83.9970, 0.2366,
0.2931

 7.7465, 0.1603,
0.2454


 109.1882, 0.2425,
0.2963

 3.9331, 0.1319,
0.2238

 138.9710, 0.2476,
0.2990

 1.6362, 0.0934,
0.1901

 173.7297, 0.2521,
0.3013

 0.3818, 0.0000,
0.1172

213.8488, 0.2559,

 0.0000, 0.0000,

0.3033

0.0000

259.7126, 0.2593,
0.3050

■ 32.1288, 0.2107,
0.2784

■ 32.1288, 0.2107,
0.2784

■ 32.1048, 0.2106,
0.2783

■ 33.4406, 0.2138,
0.2839

■ 34.9328, 0.2185,
0.2894

■ 36.6582, 0.2250,
0.2950

■ 38.6446, 0.2335,
0.3005

■ 40.9158, 0.2438,
0.3059

■ 43.4923, 0.2556,
0.3112

■ 46.3929, 0.2687,
0.3161

■ 49.6345, 0.2829,
0.3208

■ 53.2331, 0.2977,
0.3251

Harmonies

Analogous

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



32.1288, 0.2272, 0.3294



32.1288, 0.2107, 0.2784



32.1288, 0.2180, 0.2477

Triad

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



32.1288, 0.2107, 0.2784



32.1288, 0.3555, 0.2791



32.1288, 0.3743, 0.4305

Complementary

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



32.1288, 0.2107, 0.2784



13.1465, 0.6251, 0.3416

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.



32.1288, 0.4143, 0.4044



32.1288, 0.2107, 0.2784



32.1288, 0.4048, 0.3188

Square

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



32.1288, 0.2107, 0.2784



32.1288, 0.2971, 0.2509



32.1288, 0.4266, 0.3632



32.1288, 0.3199, 0.4266

Rectangle

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



32.1288, 0.2107, 0.2784



32.1288, 0.2356, 0.2397



32.1288, 0.4266, 0.3632



32.1288, 0.3900, 0.4244

Sweetspot

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



32.1299, 0.2107, 0.2784



80.8770, 0.2679, 0.3158



40.9504, 0.2966, 0.5877



16.8342, 0.2621, 0.3137



0.0000, 0.0000, 0.0000



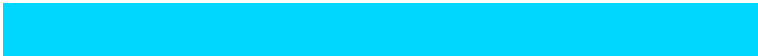
21.4041, 0.3127, 0.3290

Same Dimension

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



32.1299, 0.2107, 0.2784



55.9105, 0.2104, 0.2775



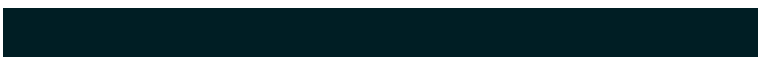
8.4957, 0.1644, 0.1118



11.7745, 0.2984, 0.3253



20.7461, 0.2109, 0.2791



1.0604, 0.2140, 0.2905

Inverse Universe

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



14.9795, 0.3649, 0.1785



26.1753, 0.3658, 0.1789



27.9765, 0.4980, 0.4426



10.7871, 0.3161, 0.3097



9.6343, 0.3643, 0.1781



0.4641, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 32.1288, 0.2107, 0.2784 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 32.1288, 0.2107, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

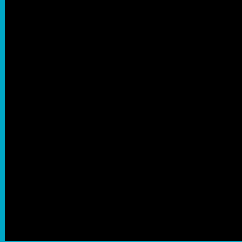
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

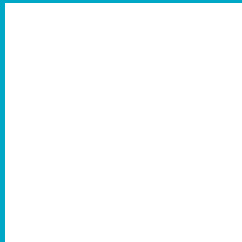
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1288, 0.2107, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 32.1288, 0.2107, 0.2784.



This preview shows how white text looks on a background with the Yxy color 32.1288, 0.2107, 0.2784.

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

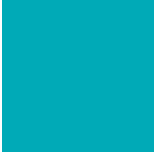
32.1288, 0.2107, 0.2784

Protanopia

31.6504, 0.2751, 0.2761

Deuteranopia

31.6999, 0.2598, 0.2534



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



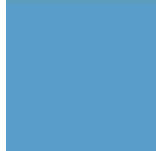
Original Color

32.1288, 0.2107, 0.2784



Protanomaly

30.1508, 0.2357, 0.2747



Deuteranomaly

30.5021, 0.2280, 0.2592



Tritanomaly

32.0501, 0.2154, 0.2953

Monochromacy



Original Color

32.1288, 0.2107, 0.2784



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.9247, 0.2467, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1288, 0.2107, 0.2784 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, 168, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 199)  
}
```

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, 168, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 199) }
```

Border

The CSS property to change the border of an element to Yxy 32.1288, 0.2107, 0.2784 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, 168, 199) }
```

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

```
.border{ border-color:rgb(0, 168, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1288, 0.2107, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 199) }
```

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

```
.background{ background-color: rgb(0, 168,  
199) }
```

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