

Converting Colors

$Y_{xy}(32.1115, 0.2278, 0.4016)$

Have a look what the booklet for
Yxy(32.1115, 0.2278, 0.4016)
contains.

Yxy(33.3084, 0.2442, 0.3990)	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(33.3084, 0.2442, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	00B18B
RGB	0, 177, 139
RGB Percent	0%, 69%, 55%
CMY	0.9988, 0.3059, 0.4548
CMYK	1.00, 0.00, 0.21, 0.31
HSL	167°, 100%, 35%
HSV	167°, 100%, 69%
XYZ	20.3857, 33.3084, 29.7856
YIQ	119.7450, -93.2940, -49.3420

Conversions

Conversions Part 2

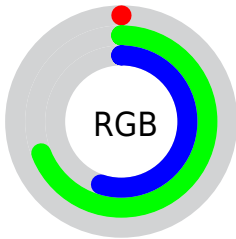
Format	Color
RYB	0, 99, 177
Decimal	45451
CIELab	64.41, -47.30, 8.81
CIELCh	64, 48.112, 169.453
Yxy	33.3084, 0.2442, 0.3990
Android (android.graphics.Color)	4278235531 (0xFF00B18B)
YUV	119.7450, 9.4927, -105.0164
Hunter-Lab	57.7134, -37.9481, 9.8002

Details

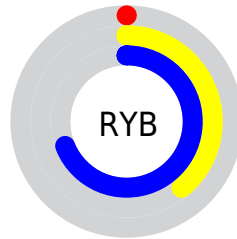
The Yxy color **33.3084, 0.2442, 0.3990** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.4953, 0.6022, 0.3093**, and the grayscale version is **18.7188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0843, 0.2585, 0.3854**, and **14.8872, 0.2494, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **33.3058, 0.2442, 0.3991**, and if you desaturate by 10%, it is **33.5496, 0.2439, 0.3912**.

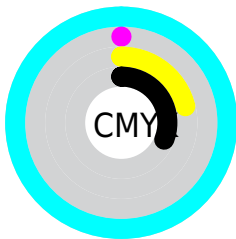
Distribution



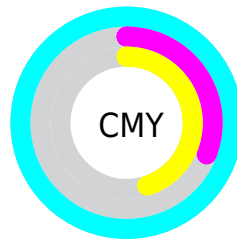
- Red (0%)
- Green (69%)
- Blue (55%)



- Red (0%)
- Yellow (39%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3084, 0.2442, 0.3990 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 33.3084, 0.2442, 0.3990 by changing the saturation by 10% instead.


 33.3084, 0.2442,
0.3990


 33.3084, 0.2442,
0.3990


317.0371, 0.2808,
0.3607

 22.3628, 0.2343,
0.4098


 64.8567, 0.2581,
0.3842


 14.1237, 0.2211,
0.4244


 86.2282, 0.2631,
0.3789

 8.2068, 0.2027,
0.4454


 111.8438, 0.2673,
0.3746

 4.2275, 0.1755,
0.4777

 142.0879, 0.2708,
0.3709

 1.8016, 0.1098,
0.5471

 177.3449, 0.2739,
0.3678

 0.4882, 0.0000,
1.0000

 217.9992, 0.2765,

 0.0000, 0.0000,

0.3651

0.0000

264.4351, 0.2788,
0.3628

■ 33.3084, 0.2442,
0.3990

■ 33.3084, 0.2442,
0.3990

■ 33.3058, 0.2442,
0.3991

■ 33.5496, 0.2439,
0.3912

■ 33.9078, 0.2451,
0.3834

■ 34.4270, 0.2482,
0.3756

■ 35.1277, 0.2532,
0.3679

■ 36.0274, 0.2600,
0.3604

■ 37.1415, 0.2685,
0.3532

■ 38.4838, 0.2782,
0.3464

■ 40.0671, 0.2891,
0.3400

■ 41.9032, 0.3008,
0.3342

Harmonies

Analogous

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



33.3084, 0.3112, 0.4575



33.3084, 0.2442, 0.3990



33.3084, 0.1990, 0.3189

Triad

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



33.3084, 0.2442, 0.3990



33.3084, 0.2349, 0.2158



33.3084, 0.4619, 0.3750

Complementary

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



33.3084, 0.2442, 0.3990



9.4953, 0.6022, 0.3093

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.



33.3084, 0.4395, 0.3197



33.3084, 0.2442, 0.3990



33.3084, 0.2994, 0.2332

Square

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



33.3084, 0.2442, 0.3990



33.3084, 0.1952, 0.2219



33.3084, 0.3766, 0.2699



33.3084, 0.4387, 0.4281

Rectangle

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



33.3084, 0.2442, 0.3990



33.3084, 0.1850, 0.2735



33.3084, 0.3766, 0.2699



33.3084, 0.4598, 0.3564

Sweetspot

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



33.3097, 0.2442, 0.3990



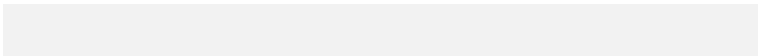
68.7473, 0.2775, 0.3468



31.8673, 0.3081, 0.5934



14.6761, 0.2734, 0.3496



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.3097, 0.2442, 0.3990



59.6177, 0.2446, 0.4004



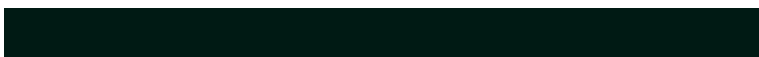
18.3381, 0.1985, 0.2346



9.5996, 0.3014, 0.3339



24.1412, 0.2440, 0.3983



0.7674, 0.2380, 0.3766

Inverse Universe

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



9.4953, 0.6022, 0.3093



16.9650, 0.6064, 0.3114



11.6603, 0.5992, 0.3622



8.5342, 0.3254, 0.3241



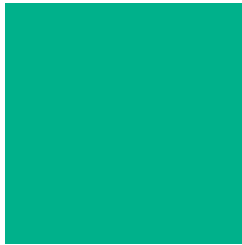
6.8815, 0.6002, 0.3080



0.2251, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 33.3084, 0.2442, 0.3990 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 33.3084, 0.2442, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

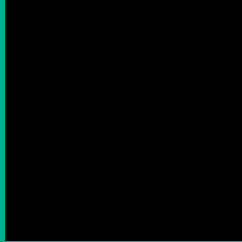
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3084, 0.2442, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 33.3084, 0.2442, 0.3990.



This preview shows how white text looks on a background with the Yxy color 33.3084, 0.2442, 0.3990.

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

33.3084, 0.2442, 0.3990

Protanopia

32.8937, 0.3476, 0.3697

Deuteranopia

32.8557, 0.3426, 0.3363



Tritanopia

33.4129, 0.2273, 0.3057

Trichromacy



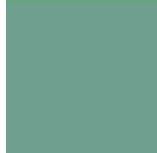
Original Color

33.3084, 0.2442, 0.3990



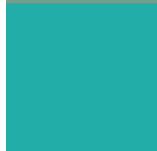
Protanomaly

30.8034, 0.2859, 0.3834



Deuteranomaly

30.5043, 0.2827, 0.3581



Tritanomaly

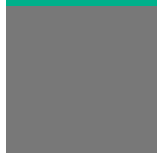
33.0544, 0.2314, 0.3374

Monochromacy



Original Color

33.3084, 0.2442, 0.3990



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.1186, 0.2637, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3084, 0.2442, 0.3990 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, 177, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 139)  
}
```

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, 177, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 139) }
```

Border

The CSS property to change the border of an element to Yxy 33.3084, 0.2442, 0.3990 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, 177, 139) }
```

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

```
.border{ border-color:rgb(0, 177, 139) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3084, 0.2442, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 139) }
```

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

```
.background{ background-color: rgb(0, 177,  
139) }
```

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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