

Converting Colors

$Y_{xy}(32.1044, 0.2194, 0.4076)$

Have a look what the booklet for
Yxy(32.1044, 0.2194, 0.4076)
contains.

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Color

Yxy(33.6758, 0.2452, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	00B28A
RGB	0, 178, 138
RGB Percent	0%, 70%, 54%
CMY	0.9988, 0.3020, 0.4589
CMYK	1.00, 0.00, 0.22, 0.30
HSL	166°, 100%, 35%
HSV	166°, 100%, 70%
XYZ	20.5100, 33.6758, 29.4601
YIQ	120.2180, -93.2480, -50.1760

Conversions

Conversions Part 2

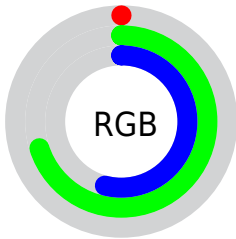
Format	Color
RYB	0, 100, 178
Decimal	45706
CIELab	64.70, -47.96, 9.79
CIELCh	65, 48.951, 168.464
Yxy	33.6758, 0.2452, 0.4026
Android (android.graphics.Color)	4278235786 (0xFF00B28A)
YUV	120.2180, 8.7665, -105.4312
Hunter-Lab	58.0309, -38.4664, 10.5223

Details

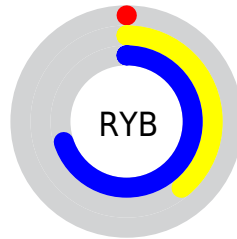
The Yxy color **33.6758, 0.2452, 0.4026** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.6269, 0.5994, 0.3077**, and the grayscale version is **18.8800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6111, 0.2592, 0.3880**, and **15.1199, 0.2508, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **33.6731, 0.2452, 0.4027**, and if you desaturate by 10%, it is **33.9230, 0.2448, 0.3944**.

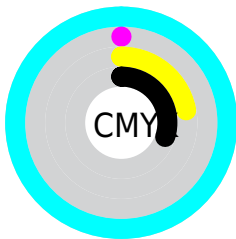
Distribution



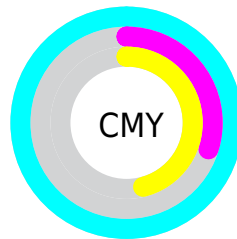
- Red (0%)
- Green (70%)
- Blue (54%)



- Red (0%)
- Yellow (39%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)




- Cyan (100%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6758, 0.2452, 0.4026 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 33.6758, 0.2452, 0.4026 by changing the saturation by 10% instead.


 33.6758, 0.2452,
0.4026


 33.6758, 0.2452,
0.4026


318.6840, 0.2813,
0.3623

 22.6447, 0.2354,
0.4140


 65.4292, 0.2589,
0.3870


 14.3313, 0.2223,
0.4294


 86.9202, 0.2639,
0.3815


 8.3515, 0.2041,
0.4516


 112.6667, 0.2680,
0.3769

 4.3207, 0.1772,
0.4858

 143.0529, 0.2715,
0.3730

 1.8545, 0.1132,
0.5579

 178.4634, 0.2745,
0.3697

 0.5208, 0.0000,
1.0000

 219.2825, 0.2771,

 0.0000, 0.0000,

0.3669

0.0000

265.8946, 0.2793,
0.3645

■ 33.6758, 0.2452,
0.4026

■ 33.6758, 0.2452,
0.4026

■ 33.6731, 0.2452,
0.4027

■ 33.9230, 0.2448,
0.3944

■ 34.2893, 0.2459,
0.3862

■ 34.8191, 0.2489,
0.3780

■ 35.5331, 0.2539,
0.3698

■ 36.4491, 0.2606,
0.3619

■ 37.5828, 0.2689,
0.3544

■ 38.9482, 0.2786,
0.3472

■ 40.5581, 0.2894,
0.3406

■ 42.4246, 0.3009,
0.3345

Harmonies

Analogous

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



33.6758, 0.3135, 0.4605



33.6758, 0.2452, 0.4026



33.6758, 0.1986, 0.3212

Triad

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



33.6758, 0.2452, 0.4026



33.6758, 0.2322, 0.2143



33.6758, 0.4639, 0.3735

Complementary

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



33.6758, 0.2452, 0.4026



9.6269, 0.5994, 0.3077

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.



33.6758, 0.4397, 0.3177



33.6758, 0.2452, 0.4026



33.6758, 0.2967, 0.2312

Square

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



33.6758, 0.2452, 0.4026



33.6758, 0.1930, 0.2212



33.6758, 0.3749, 0.2677



33.6758, 0.4416, 0.4275

Rectangle

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



33.6758, 0.2452, 0.4026



33.6758, 0.1839, 0.2746



33.6758, 0.3749, 0.2677



33.6758, 0.4613, 0.3547

Sweetspot

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



33.6771, 0.2452, 0.4026



70.4457, 0.2779, 0.3477



32.3284, 0.3092, 0.5926



15.3697, 0.2738, 0.3506



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.



33.6771, 0.2452, 0.4026



61.0287, 0.2456, 0.4041



19.3455, 0.2002, 0.2405



9.5982, 0.3015, 0.3342



24.1036, 0.2450, 0.4018



0.7665, 0.2386, 0.3790

Inverse Universe

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



9.6269, 0.5994, 0.3077



17.4143, 0.6037, 0.3099



11.5543, 0.6031, 0.3591



8.5356, 0.3253, 0.3239



6.8904, 0.5972, 0.3063



0.2257, 0.5200, 0.2638

Previews

White Background



This preview shows how the Yxy color 33.6758, 0.2452, 0.4026 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 33.6758, 0.2452, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

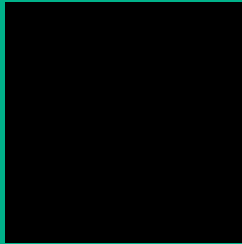
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6758, 0.2452, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 33.6758, 0.2452, 0.4026.



This preview shows how white text looks on a background with the Yxy color 33.6758, 0.2452, 0.4026.

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

33.6758, 0.2452, 0.4026

Protanopia

33.3086, 0.3494, 0.3726

Deuteranopia

32.9403, 0.3447, 0.3377



Tritanopia

33.8624, 0.2275, 0.3058

Trichromacy



Original Color

33.6758, 0.2452, 0.4026



Protanomaly

31.1929, 0.2876, 0.3867



Deuteranomaly

30.4741, 0.2835, 0.3598



Tritanomaly

33.4940, 0.2316, 0.3374

Monochromacy



Original Color

33.6758, 0.2452, 0.4026



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 33.6758, 0.2452, 0.4026 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, 178, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 138)  
}
```

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, 178, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 138) }
```

Border

The CSS property to change the border of an element to Yxy 33.6758, 0.2452, 0.4026 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, 178, 138) }
```

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

```
.border{ border-color:rgb(0, 178, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6758, 0.2452, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 138) }
```

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

```
.background{ background-color: rgb(0, 178,  
138) }
```

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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