

Converting Colors

$Y_{xy}(33.7870, 0.2526, 0.4295)$

Have a look what the booklet for
Yxy(33.7870, 0.2526, 0.4295)
contains.

Yxy(33.7209, 0.2528, 0.4301)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7209, 0.2528, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	00B37D
RGB	0, 179, 125
RGB Percent	0%, 70%, 49%
CMY	1.0000, 0.2980, 0.5099
CMYK	1.00, 0.00, 0.30, 0.30
HSL	162°, 100%, 35%
HSV	162°, 100%, 70%
XYZ	19.8201, 33.7209, 24.8614
YIQ	119.3230, -89.3500, -54.7420

Conversions

Conversions Part 2

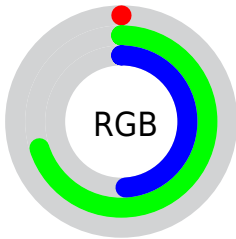
Format	Color
RYB	0, 105, 179
Decimal	45949
CIELab	64.74, -51.52, 16.97
CIELCh	65, 54.240, 161.772
Yxy	33.7209, 0.2528, 0.4301
Android (android.graphics.Color)	4278236029 (0xFF00B37D)
YUV	119.3230, 2.7988, -104.6463
Hunter-Lab	58.0697, -40.6970, 15.2649

Details

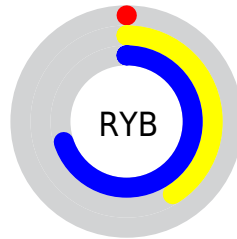
The Yxy color **33.7209, 0.2528, 0.4301** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.8509, 0.5751, 0.2942**, and the grayscale version is **18.5682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5849, 0.2653, 0.4080**, and **15.1890, 0.2606, 0.4583** is the 20% darker color. If you saturate the color by 10%, you get **33.7228, 0.2528, 0.4301**, and if you desaturate by 10%, it is **33.9922, 0.2517, 0.4188**.

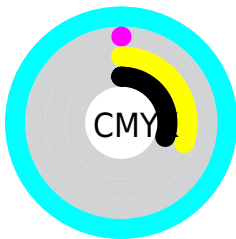
Distribution



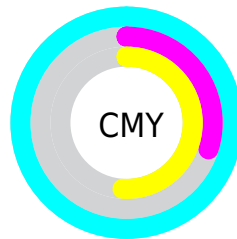
- Red (0%)
- Green (70%)
- Blue (49%)



- Red (0%)
- Yellow (41%)
- Blue (70%)



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




- Cyan (100%)
- Magenta (30%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7209, 0.2528, 0.4301 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 33.7209, 0.2528, 0.4301 by changing the saturation by 10% instead.


 33.7209, 0.2528,
0.4301


 33.7209, 0.2528,
0.4301


318.8858, 0.2857,
0.3737


 22.6793, 0.2435,
0.4464


 65.4994, 0.2655,
0.4081


 14.3569, 0.2309,
0.4688


 87.0051, 0.2701,
0.4003

 8.3693, 0.2128,
0.5013


 112.7676, 0.2738,
0.3939

 4.3321, 0.1852,
0.5524

 143.1712, 0.2770,
0.3885

 1.8610, 0.1069,
0.6780

 178.6005, 0.2796,
0.3840

 0.5248, 0.0000,
1.0000

 219.4397, 0.2820,

 0.0000, 0.0000,

0.3801

0.0000

266.0734, 0.2840,
0.3767

■ 33.7209, 0.2528,
0.4301

■ 33.7209, 0.2528,
0.4301

■ 33.7228, 0.2528,
0.4301

■ 33.9922, 0.2517,
0.4188

■ 34.3856, 0.2521,
0.4075

■ 34.9473, 0.2544,
0.3961

■ 35.6988, 0.2587,
0.3848

■ 36.6581, 0.2648,
0.3740

■ 37.8412, 0.2724,
0.3636

■ 39.2625, 0.2813,
0.3538

■ 40.9350, 0.2912,
0.3448

■ 42.8710, 0.3017,
0.3365

Harmonies

Analogous

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



33.7209, 0.3300, 0.4824



33.7209, 0.2528, 0.4301



33.7209, 0.1962, 0.3392

Triad

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



33.7209, 0.2528, 0.4301



33.7209, 0.2124, 0.2035



33.7209, 0.4783, 0.3618

Complementary

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



33.7209, 0.2528, 0.4301



9.8509, 0.5751, 0.2942

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.



33.7209, 0.4404, 0.3026



33.7209, 0.2528, 0.4301



33.7209, 0.2768, 0.2165

Square

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



33.7209, 0.2528, 0.4301



33.7209, 0.1771, 0.2165



33.7209, 0.3617, 0.2515



33.7209, 0.4629, 0.4222

Rectangle

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



33.7209, 0.2528, 0.4301



33.7209, 0.1760, 0.2836



33.7209, 0.3617, 0.2515



33.7209, 0.4716, 0.3416

Sweetspot

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



33.7228, 0.2528, 0.4301



70.1737, 0.2808, 0.3543



33.1030, 0.3157, 0.5875



15.3022, 0.2770, 0.3583



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.



33.7228, 0.2528, 0.4301



60.3509, 0.2533, 0.4319



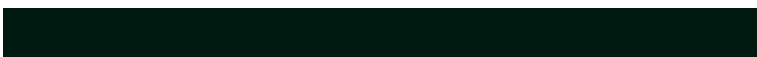
23.8706, 0.2082, 0.2694



9.5870, 0.3025, 0.3360



23.8404, 0.2524, 0.4288



0.7599, 0.2437, 0.3974

Inverse Universe

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



9.8509, 0.5751, 0.2942



17.6067, 0.5792, 0.2965



10.6620, 0.6203, 0.3457



8.5461, 0.3241, 0.3222



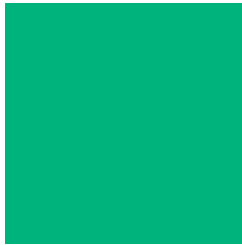
6.9709, 0.5720, 0.2925



0.2299, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 33.7209, 0.2528, 0.4301 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 33.7209, 0.2528, 0.4301 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 33.7209, 0.2528, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 33.7209, 0.2528, 0.4301.



This preview shows how white text looks on a background with the Yxy color 33.7209, 0.2528, 0.4301.

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

33.7209, 0.2528, 0.4301

Protanopia

33.2073, 0.3641, 0.3917

Deuteranopia

33.1547, 0.3634, 0.3562



Tritanopia

33.5893, 0.2293, 0.3058

Trichromacy



Original Color

33.7209, 0.2528, 0.4301



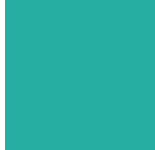
Protanomaly

30.9231, 0.2985, 0.4105



Deuteranomaly

30.7196, 0.2974, 0.3843



Tritanomaly

33.3285, 0.2354, 0.3480

Monochromacy



Original Color

33.7209, 0.2528, 0.4301



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.9667, 0.2686, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7209, 0.2528, 0.4301 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, 179, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 125)  
}
```

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, 179, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 125) }
```

Border

The CSS property to change the border of an element to Yxy 33.7209, 0.2528, 0.4301 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, 179, 125) }
```

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

```
.border{ border-color:rgb(0, 179, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7209, 0.2528, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 125) }
```

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

```
.background{ background-color: rgb(0, 179,  
125) }
```

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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