

Converting Colors

$Y_{xy}(33.5878, 0.2512, 0.4244)$

Have a look what the booklet for
Yxy(33.5878, 0.2512, 0.4244)
contains.

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Color

Yxy(33.7725, 0.2517, 0.4260)

Conversions

Conversions Part 1

Format	Color
Hex	00B37F
RGB	0, 179, 127
RGB Percent	0%, 70%, 50%
CMY	0.9988, 0.2980, 0.5019
CMYK	1.00, 0.00, 0.29, 0.30
HSL	163°, 100%, 35%
HSV	163°, 100%, 70%
XYZ	19.9543, 33.7725, 25.5514
YIQ	119.5510, -89.9920, -54.1200

Conversions

Conversions Part 2

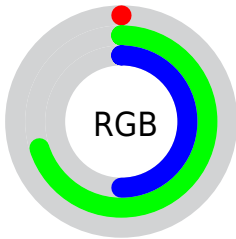
Format	Color
RYB	0, 105, 179
Decimal	45951
CIELab	64.78, -51.03, 15.92
CIELCh	65, 53.453, 162.676
Yxy	33.7725, 0.2517, 0.4260
Android (android.graphics.Color)	4278236031 (0xFF00B37F)
YUV	119.5510, 3.6724, -104.8462
Hunter-Lab	58.1141, -40.4092, 14.6115

Details

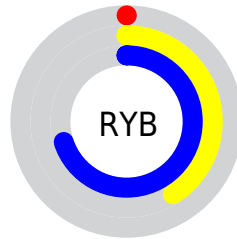
The Yxy color **33.7725, 0.2517, 0.4260** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.8402, 0.5784, 0.2962**, and the grayscale version is **18.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7191, 0.2647, 0.4050**, and **15.2173, 0.2591, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **33.7697, 0.2517, 0.4262**, and if you desaturate by 10%, it is **34.0417, 0.2507, 0.4152**.

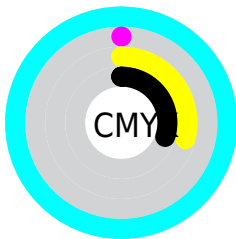
Distribution



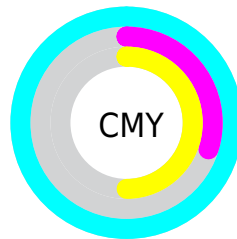
- Red (0%)
- Green (70%)
- Blue (50%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)




- Cyan (100%)
- Magenta (30%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7725, 0.2517, 0.4260 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 33.7725, 0.2517, 0.4260 by changing the saturation by 10% instead.


 33.7725, 0.2517,
0.4260


 33.7725, 0.2517,
0.4260


 319.1164, 0.2851,
0.3720


 22.7189, 0.2423,
0.4415


 65.5797, 0.2646,
0.4049

 14.3861, 0.2297,
0.4629


 87.1021, 0.2692,
0.3975

 8.3897, 0.2117,
0.4938


 112.8829, 0.2730,
0.3914

 4.3453, 0.1843,
0.5423

 143.3065, 0.2762,
0.3862

 1.8685, 0.1088,
0.6563

 178.7572, 0.2789,
0.3819

 0.5294, 0.0000,
1.0000

 219.6195, 0.2812,

 0.0000, 0.0000,

0.3781

0.0000

266.2778, 0.2833,
0.3749

■ 33.7725, 0.2517,
0.4260

■ 33.7725, 0.2517,
0.4260

■ 33.7697, 0.2517,
0.4262

■ 34.0417, 0.2507,
0.4152

■ 34.4345, 0.2512,
0.4043

■ 34.9955, 0.2537,
0.3933

■ 35.7460, 0.2581,
0.3825

■ 36.7041, 0.2643,
0.3721

■ 37.8856, 0.2720,
0.3621

■ 39.3049, 0.2811,
0.3527

■ 40.9751, 0.2911,
0.3441

■ 42.9083, 0.3018,
0.3361

Harmonies

Analogous

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



33.7725, 0.3276, 0.4793



33.7725, 0.2517, 0.4260



33.7725, 0.1966, 0.3365

Triad

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



33.7725, 0.2517, 0.4260



33.7725, 0.2153, 0.2051



33.7725, 0.4762, 0.3635

Complementary

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



33.7725, 0.2517, 0.4260



9.8402, 0.5784, 0.2962

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.



33.7725, 0.4403, 0.3048



33.7725, 0.2517, 0.4260



33.7725, 0.2796, 0.2186

Square

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



33.7725, 0.2517, 0.4260



33.7725, 0.1794, 0.2172



33.7725, 0.3637, 0.2539



33.7725, 0.4598, 0.4230

Rectangle

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



33.7725, 0.2517, 0.4260



33.7725, 0.1771, 0.2822



33.7725, 0.3637, 0.2539



33.7725, 0.4701, 0.3435

Sweetspot

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



33.7738, 0.2517, 0.4260



70.2118, 0.2804, 0.3534



33.0215, 0.3143, 0.5885



15.3116, 0.2765, 0.3572



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.



33.7738, 0.2517, 0.4260



60.4418, 0.2522, 0.4279



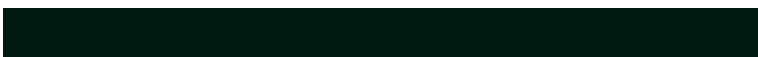
22.9786, 0.2066, 0.2638



9.5886, 0.3023, 0.3357



23.8758, 0.2514, 0.4249



0.7608, 0.2430, 0.3948

Inverse Universe

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



9.8402, 0.5784, 0.2962



17.5754, 0.5830, 0.2985



10.8480, 0.6169, 0.3481



8.5446, 0.3243, 0.3224



6.9580, 0.5759, 0.2946



0.2293, 0.4953, 0.2502

Previews

White Background



This preview shows how the Yxy color 33.7725, 0.2517, 0.4260 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 33.7725, 0.2517, 0.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

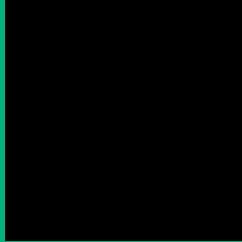
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7725, 0.2517, 0.4260

Background



This preview shows how black text looks on a background with the Yxy color 33.7725, 0.2517, 0.4260.



This preview shows how white text looks on a background with the Yxy color 33.7725, 0.2517, 0.4260.

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

33.7725, 0.2517, 0.4260

Protanopia

33.2534, 0.3621, 0.3887

Deuteranopia

33.0899, 0.3603, 0.3534



Tritanopia

33.9685, 0.2297, 0.3075

Trichromacy



Original Color

33.7725, 0.2517, 0.4260



Protanomaly

30.9712, 0.2970, 0.4068



Deuteranomaly

30.7058, 0.2949, 0.3808



Tritanomaly

33.7523, 0.2353, 0.3479

Monochromacy



Original Color

33.7725, 0.2517, 0.4260



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.0163, 0.2670, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7725, 0.2517, 0.4260 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, 127)` looks like.

```
.text, #text, p{  
  color:rgb(0, 179, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 127) }
```

Border

The CSS property to change the border of an element to Yxy 33.7725, 0.2517, 0.4260 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, 127) }
```

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

```
.border{ border-color:rgb(0, 179, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7725, 0.2517, 0.4260 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, 127) }
```

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

```
.background{ background-color: rgb(0, 179,  
127) }
```

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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