

Converting Colors

$Y_{xy}(32.7810, 0.2453, 0.3817)$

Have a look what the booklet for
Yxy(32.7810, 0.2453, 0.3817)
contains.

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Color

Yxy(32.7285, 0.2454, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	26AE91
RGB	38, 174, 145
RGB Percent	15%, 68%, 57%
CMY	0.8507, 0.3176, 0.4314
CMYK	0.78, 0.00, 0.17, 0.32
HSL	167°, 64%, 42%
HSV	167°, 78%, 68%
XYZ	21.0471, 32.7285, 31.9909
YIQ	130.0300, -71.7470, -37.8510

Conversions

Conversions Part 2

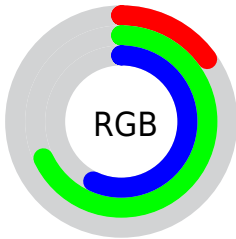
Format	Color
RYB	38, 114, 174
Decimal	2535057
CIELab	63.94, -42.07, 4.87
CIELCh	64, 42.355, 173.399
Yxy	32.7285, 0.2454, 0.3816
Android (android.graphics.Color)	4280725137 (0xFF26AE91)
YUV	130.0300, 7.3802, -80.7103
Hunter-Lab	57.2088, -34.4454, 6.8915

Details

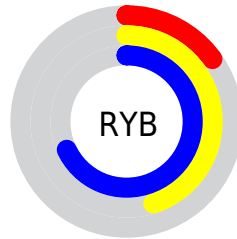
The Yxy color **32.7285, 0.2454, 0.3816** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.7955, 0.5272, 0.2969**, and the grayscale version is **22.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7813, 0.2585, 0.3701**, and **14.5010, 0.2435, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **32.3595, 0.2439, 0.3894**, and if you desaturate by 10%, it is **33.2584, 0.2489, 0.3739**.

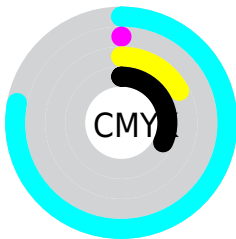
Distribution



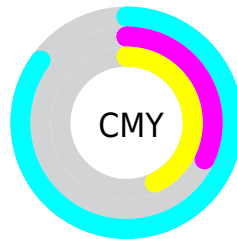
- Red (15%)
- Green (68%)
- Blue (57%)



- Red (15%)
- Yellow (45%)
- Blue (68%)



- Cyan (78%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)




- Cyan (85%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7285, 0.2454, 0.3816 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 32.7285, 0.2454, 0.3816 by changing the saturation by 10% instead.


 32.7285, 0.2454,
0.3816


 32.7285, 0.2454,
0.3816


314.4246, 0.2811,
0.3532


 21.9185, 0.2358,
0.3895


 63.9514, 0.2589,
0.3707

 13.7971, 0.2231,
0.4000


 85.1332, 0.2638,
0.3668

 7.9797, 0.2054,
0.4151


 110.5410, 0.2679,
0.3636

 4.0819, 0.1795,
0.4379

 140.5592, 0.2713,
0.3608

 1.7195, 0.1239,
0.4843

 175.5723, 0.2743,
0.3585

 0.4362, 0.0000,
0.7642

215.9646, 0.2769,

 0.0000, 0.0000,

0.3565

0.0000

262.1206, 0.2791,
0.3547

■ 32.7285, 0.2454,
0.3816

■ 32.7285, 0.2454,
0.3816

■ 32.3595, 0.2439,
0.3894

■ 33.2584, 0.2489,
0.3739

■ 32.1158, 0.2440,
0.3970

■ 33.9644, 0.2542,
0.3662

■ 32.0747, 0.2440,
0.3985

■ 34.8643, 0.2613,
0.3588

■ 35.9724, 0.2700,
0.3518

■ 37.3019, 0.2800,
0.3451

■ 38.8648, 0.2910,
0.3389

■ 40.6721, 0.3028,
0.3332

■ 42.7344, 0.3150,
0.3281

■ 45.0614, 0.3275,
0.3234

Harmonies

Analogous

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



32.7285, 0.3040, 0.4368



32.7285, 0.2454, 0.3816



32.7285, 0.2073, 0.3123

Triad

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



32.7285, 0.2454, 0.3816



32.7285, 0.2497, 0.2277



32.7285, 0.4450, 0.3787

Complementary

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



32.7285, 0.2454, 0.3816



10.7955, 0.5272, 0.2969

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.



32.7285, 0.4299, 0.3282



32.7285, 0.2454, 0.3816



32.7285, 0.3102, 0.2460

Square

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



32.7285, 0.2454, 0.3816



32.7285, 0.2102, 0.2308



32.7285, 0.3781, 0.2816



32.7285, 0.4207, 0.4244

Rectangle

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



32.7285, 0.2454, 0.3816



32.7285, 0.1966, 0.2738



32.7285, 0.3781, 0.2816



32.7285, 0.4446, 0.3619

Sweetspot

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



32.7298, 0.2454, 0.3816



68.9441, 0.2851, 0.3421



31.6246, 0.3159, 0.5601



15.1067, 0.2812, 0.3444



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.



32.7298, 0.2454, 0.3816



58.3546, 0.2439, 0.3952



20.9334, 0.2113, 0.2575



9.0424, 0.3014, 0.3339



23.2727, 0.2438, 0.3976



0.6547, 0.2373, 0.3744

Inverse Universe

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



10.7955, 0.5272, 0.2969



16.9439, 0.5901, 0.3066



14.3886, 0.5326, 0.3751



8.0423, 0.3254, 0.3242



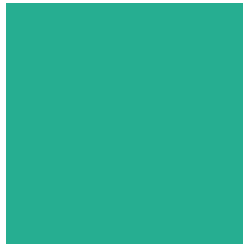
6.6317, 0.6003, 0.3081



0.1923, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 32.7285, 0.2454, 0.3816 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 32.7285, 0.2454, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

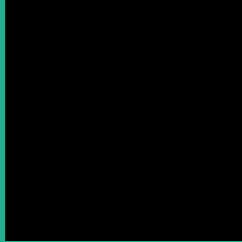
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7285, 0.2454, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 32.7285, 0.2454, 0.3816.

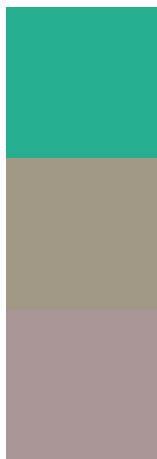


This preview shows how white text looks on a background with the Yxy color 32.7285, 0.2454, 0.3816.

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

32.7285, 0.2454, 0.3816

Protanopia

32.0808, 0.3391, 0.3580

Deuteranopia

32.2753, 0.3326, 0.3261



Tritanopia

32.7454, 0.2304, 0.3072

Trichromacy



Original Color

32.7285, 0.2454, 0.3816



Protanomaly

31.0377, 0.2910, 0.3681



Deuteranomaly

30.7612, 0.2870, 0.3439



Tritanomaly

32.7473, 0.2353, 0.3322

Monochromacy



Original Color

32.7285, 0.2454, 0.3816



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.8484, 0.2754, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7285, 0.2454, 0.3816 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(38, 174, 145)` looks like.

```
.text, #text, p{  
    color:rgb(38, 174, 145)  
}
```

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(38, 174, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 174, 145) }
```

Border

The CSS property to change the border of an element to Yxy 32.7285, 0.2454, 0.3816 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(38, 174, 145) }
```

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

```
.border{ border-color:rgb(38, 174, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 174, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 174, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 174, 145);  
box-shadow:4px 4px 4px 4px rgb(38, 174,  
145) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7285, 0.2454, 0.3816$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 174, 145) }
```

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

```
.background{ background-color: rgb(38, 174,  
145) }
```

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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