

Converting Colors

$Yxy(33.4383, 0.2453, 0.3948)$

Have a look what the booklet for
Yxy(33.4383, 0.2453, 0.3948)
contains.

Yxy(33.5268, 0.2453, 0.3947)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5268, 0.2453, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	15B18D
RGB	21, 177, 141
RGB Percent	8%, 69%, 55%
CMY	0.9185, 0.3059, 0.4470
CMYK	0.88, 0.00, 0.20, 0.31
HSL	166°, 79%, 39%
HSV	166°, 88%, 69%
XYZ	20.8364, 33.5268, 30.5793
YIQ	126.2520, -81.4200, -44.2680

Conversions

Conversions Part 2

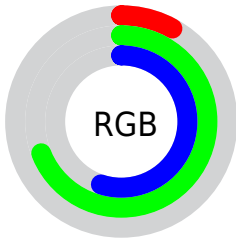
Format	Color
RYB	21, 109, 177
Decimal	1421709
CIELab	64.59, -45.87, 7.97
CIElCh	65, 46.552, 170.147
Yxy	33.5268, 0.2453, 0.3947
Android (android.graphics.Color)	4279611789 (0xFF15B18D)
YUV	126.2520, 7.2708, -92.3060
Hunter-Lab	57.9023, -37.0951, 9.2195

Details

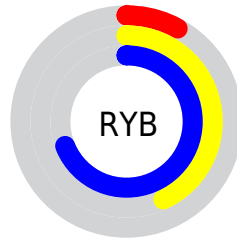
The Yxy color **33.5268, 0.2453, 0.3947** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.1690, 0.5611, 0.2983**, and the grayscale version is **20.9275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4951, 0.2590, 0.3809**, and **14.9212, 0.2478, 0.4122** is the 20% darker color. If you saturate the color by 10%, you get **33.2718, 0.2456, 0.4031**, and if you desaturate by 10%, it is **33.9159, 0.2467, 0.3863**.

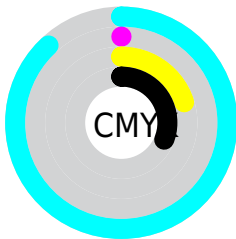
Distribution



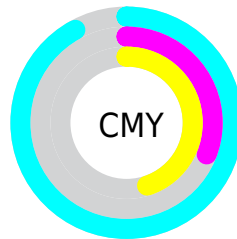
- Red (8%)
- Green (69%)
- Blue (55%)



- Red (8%)
- Yellow (43%)
- Blue (69%)



- Cyan (88%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)




- Cyan (92%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5268, 0.2453, 0.3947 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 33.5268, 0.2453, 0.3947 by changing the saturation by 10% instead.

 33.5268, 0.2453,
0.3947


 33.5268, 0.2453,
0.3947


318.0169, 0.2812,
0.3589

 22.5303, 0.2356,
0.4047


 65.1971, 0.2589,
0.3809


 14.2471, 0.2227,
0.4183


 86.6398, 0.2638,
0.3760


 8.2927, 0.2048,
0.4377


 112.3332, 0.2679,
0.3719

 4.2828, 0.1784,
0.4674

 142.6619, 0.2714,
0.3685

 1.8330, 0.1196,
0.5284

 178.0102, 0.2744,
0.3656

 0.5076, 0.0000,
1.0000

 218.7626, 0.2770,

 0.0000, 0.0000,

0.3630

0.0000

265.3033, 0.2792,
0.3608

■ 33.5268, 0.2453,
0.3947

■ 33.5268, 0.2453,
0.3947

■ 33.2718, 0.2456,
0.4031

■ 33.9159, 0.2467,
0.3863

■ 33.2318, 0.2457,
0.4045

■ 34.4687, 0.2500,
0.3778

■ 35.2065, 0.2551,
0.3695

■ 36.1465, 0.2621,
0.3615

■ 37.3037, 0.2706,
0.3538

■ 38.6919, 0.2804,
0.3466

■ 40.3236, 0.2912,
0.3398

■ 42.2104, 0.3028,
0.3337

■ 44.3631, 0.3148,
0.3281

Harmonies

Analogous

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



33.5268, 0.3100, 0.4518



33.5268, 0.2453, 0.3947



33.5268, 0.2018, 0.3179

Triad

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



33.5268, 0.2453, 0.3947



33.5268, 0.2386, 0.2192



33.5268, 0.4570, 0.3755

Complementary

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



33.5268, 0.2453, 0.3947



10.1690, 0.5611, 0.2983

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.



33.5268, 0.4361, 0.3215



33.5268, 0.2453, 0.3947



33.5268, 0.3017, 0.2366

Square

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



33.5268, 0.2453, 0.3947



33.5268, 0.1993, 0.2248



33.5268, 0.3761, 0.2728



33.5268, 0.4339, 0.4265

Rectangle

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



33.5268, 0.2453, 0.3947



33.5268, 0.1885, 0.2743



33.5268, 0.3761, 0.2728



33.5268, 0.4551, 0.3574

Sweetspot

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



33.5281, 0.2453, 0.3947



69.7880, 0.2823, 0.3453



32.3773, 0.3138, 0.5786



14.9266, 0.2788, 0.3476



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.



33.5281, 0.2453, 0.3947



59.4755, 0.2461, 0.4059



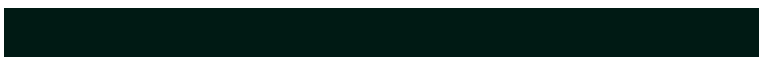
20.7559, 0.2057, 0.2518



9.5974, 0.3015, 0.3343



24.0847, 0.2455, 0.4036



0.7660, 0.2390, 0.3803

Inverse Universe

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



10.1690, 0.5611, 0.2983



16.9962, 0.6021, 0.3090



12.8940, 0.5712, 0.3680



8.5363, 0.3252, 0.3238



6.8951, 0.5956, 0.3055



0.2260, 0.5179, 0.2627

Previews

White Background



This preview shows how the Yxy color 33.5268, 0.2453, 0.3947 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 33.5268, 0.2453, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

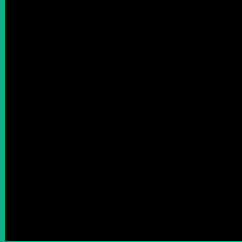
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5268, 0.2453, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 33.5268, 0.2453, 0.3947.

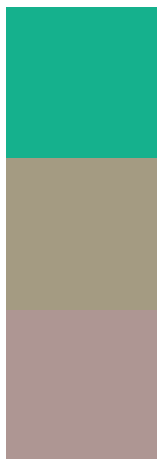


This preview shows how white text looks on a background with the Yxy color 33.5268, 0.2453, 0.3947.

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

33.5268, 0.2453, 0.3947

Protanopia

32.9469, 0.3457, 0.3667

Deuteranopia

32.9179, 0.3406, 0.3334



Tritanopia

33.4985, 0.2283, 0.3058

Trichromacy



Original Color

33.5268, 0.2453, 0.3947



Protanomaly

31.3604, 0.2909, 0.3788



Deuteranomaly

31.0375, 0.2870, 0.3541



Tritanomaly

33.2872, 0.2334, 0.3357

Monochromacy



Original Color

33.5268, 0.2453, 0.3947



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.9642, 0.2709, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5268, 0.2453, 0.3947 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(21, 177, 141)` looks like.

```
.text, #text, p{  
    color:rgb(21, 177, 141)  
}
```

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(21, 177, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 177, 141) }
```

Border

The CSS property to change the border of an element to Yxy 33.5268, 0.2453, 0.3947 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(21, 177, 141) }
```

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

```
.border{ border-color:rgb(21, 177, 141) }
```

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

Here you see how a box with a 4 pixel rgb(21, 177, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 177, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 177, 141);  
box-shadow:4px 4px 4px 4px rgb(21, 177,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5268, 0.2453, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 177, 141) }
```

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

```
.background{ background-color: rgb(21, 177,  
141) }
```

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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