

Converting Colors

$Y_{xy}(33.2147, 0.2366, 0.3544)$

Have a look what the booklet for
Yxy(33.2147, 0.2366, 0.3544)
contains.

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Color

Yxy(33.1675, 0.2363, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	23AEA0
RGB	35, 174, 160
RGB Percent	14%, 68%, 63%
CMY	0.8631, 0.3176, 0.3726
CMYK	0.80, 0.00, 0.08, 0.32
HSL	174°, 67%, 41%
HSV	174°, 80%, 68%
XYZ	22.1711, 33.1675, 38.4874
YIQ	130.8430, -78.3500, -33.8220

Conversions

Conversions Part 2

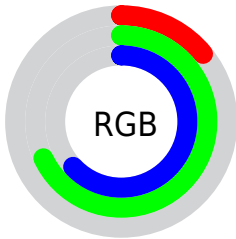
Format	Color
R _Y B	35, 108, 174
Decimal	2338464
CIE Lab	64.30, -38.32, -2.97
CIE LCh	64, 38.431, 184.431
Yxy	33.1675, 0.2363, 0.3535
Android (android.graphics.Color)	4280528544 (0xFF23AEA0)
YUV	130.8430, 14.3744, -84.0543
Hunter-Lab	57.5912, -32.0669, 0.6912

Details

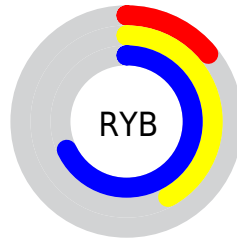
The Yxy color **33.1675, 0.2363, 0.3535** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4170, 0.5647, 0.3161**, and the grayscale version is **22.5971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5641, 0.2509, 0.3483**, and **14.7789, 0.2330, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **32.8761, 0.2342, 0.3569**, and if you desaturate by 10%, it is **33.6131, 0.2403, 0.3501**.

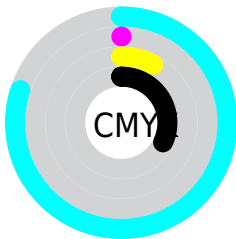
Distribution



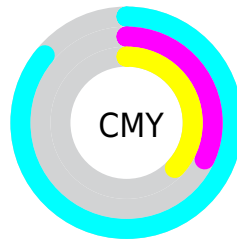
- Red (14%)
- Green (68%)
- Blue (63%)



- Red (14%)
- Yellow (42%)
- Blue (68%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)





- Cyan (86%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1675, 0.2363, 0.3535 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 33.1675, 0.2363, 0.3535 by changing the saturation by 10% instead.


 33.1675, 0.2363,
0.3535


 33.1675, 0.2363,
0.3535


316.4038, 0.2761,
0.3411

 22.2548, 0.2259,
0.3566


 64.6369, 0.2511,
0.3490

 14.0442, 0.2124,
0.3605


 85.9625, 0.2565,
0.3473


 8.1514, 0.1939,
0.3656

 111.5277, 0.2611,
0.3459

 4.1920, 0.1676,
0.3725

 141.7171, 0.2650,
0.3447

 1.7815, 0.1226,
0.3839

 176.9150, 0.2683,
0.3436

 0.4756, 0.0000,
0.3960

217.5059, 0.2713,

 0.0000, 0.0000,

0.3427

0.0000

263.8740, 0.2738,
0.3419

■ 33.1675, 0.2363,
0.3535

■ 33.1675, 0.2363,
0.3535

■ 32.8761, 0.2342,
0.3569

■ 33.6131, 0.2403,
0.3501

■ 32.6928, 0.2334,
0.3603

■ 34.2287, 0.2461,
0.3467

■ 32.6918, 0.2334,
0.3603

■ 35.0324, 0.2537,
0.3433

■ 36.0390, 0.2631,
0.3401

■ 37.2616, 0.2740,
0.3370

■ 38.7125, 0.2860,
0.3341

■ 40.4029, 0.2991,
0.3314

■ 42.3432, 0.3128,
0.3290

■ 44.5435, 0.3269,
0.3268

Harmonies

Analogous

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



33.1675, 0.2844, 0.4107



33.1675, 0.2363, 0.3535



33.1675, 0.2096, 0.2942

Triad

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



33.1675, 0.2363, 0.3535



33.1675, 0.2741, 0.2403



33.1675, 0.4285, 0.3918

Complementary

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



33.1675, 0.2363, 0.3535



10.4170, 0.5647, 0.3161

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.



33.1675, 0.4280, 0.3462



33.1675, 0.2363, 0.3535



33.1675, 0.3335, 0.2635

Square

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



33.1675, 0.2363, 0.3535



33.1675, 0.2299, 0.2358



33.1675, 0.3920, 0.3010



33.1675, 0.3961, 0.4277

Rectangle

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



33.1675, 0.2363, 0.3535



33.1675, 0.2056, 0.2643



33.1675, 0.3920, 0.3010



33.1675, 0.4324, 0.3771

Sweetspot

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



33.1688, 0.2363, 0.3535



68.9813, 0.2805, 0.3354



31.1033, 0.3078, 0.5695



15.1313, 0.2763, 0.3364



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.



33.1688, 0.2363, 0.3535



59.3771, 0.2337, 0.3595



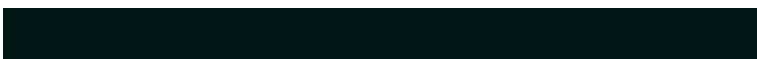
17.0101, 0.2026, 0.2278



9.0580, 0.2999, 0.3313



23.7141, 0.2333, 0.3599



0.6636, 0.2305, 0.3496

Inverse Universe

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



10.4170, 0.5647, 0.3161



16.6189, 0.6222, 0.3230



16.1371, 0.5190, 0.3938



8.0280, 0.3271, 0.3267



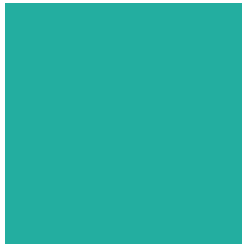
6.5617, 0.6261, 0.3223



0.1866, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 33.1675, 0.2363, 0.3535 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 33.1675, 0.2363, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

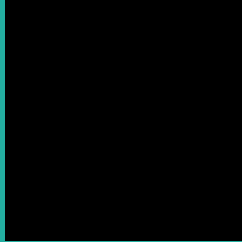
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1675, 0.2363, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 33.1675, 0.2363, 0.3535.

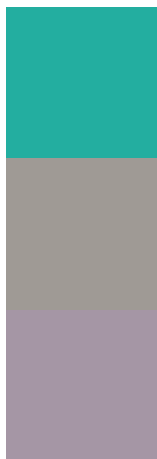


This preview shows how white text looks on a background with the Yxy color 33.1675, 0.2363, 0.3535.

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

33.1675, 0.2363, 0.3535

Protanopia

32.6521, 0.3224, 0.3366

Deuteranopia

32.5286, 0.3137, 0.3073



Tritanopia

32.9670, 0.2271, 0.3056

Trichromacy



Original Color

33.1675, 0.2363, 0.3535



Protanomaly

31.3671, 0.2775, 0.3422



Deuteranomaly

31.2922, 0.2728, 0.3224



Tritanomaly

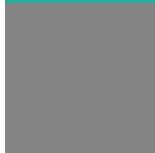
32.8018, 0.2299, 0.3220

Monochromacy



Original Color

33.1675, 0.2363, 0.3535



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.3072, 0.2690, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1675, 0.2363, 0.3535 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(35, 174, 160)` looks like.

```
.text, #text, p{  
    color:rgb(35, 174, 160)  
}
```

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(35, 174, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 174, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.1675, 0.2363, 0.3535 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(35, 174, 160) }
```

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

```
.border{ border-color:rgb(35, 174, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 174, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 174, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 174, 160);  
box-shadow:4px 4px 4px 4px rgb(35, 174,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1675, 0.2363, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 174, 160) }
```

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

```
.background{ background-color: rgb(35, 174,  
160) }
```

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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