

Converting Colors

$Yxy(38.5144, 0.2446, 0.3906)$

Have a look what the booklet for
Yxy(38.5144, 0.2446, 0.3906)
contains.

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Color

Yxy(38.4531, 0.2447, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	1ABC98
RGB	26, 188, 152
RGB Percent	10%, 74%, 60%
CMY	0.8980, 0.2627, 0.4039
CMYK	0.86, 0.00, 0.19, 0.26
HSL	167°, 76%, 42%
HSV	167°, 86%, 74%
XYZ	24.0775, 38.4531, 35.8653
YIQ	135.4580, -84.9960, -45.5400

Conversions

Conversions Part 2

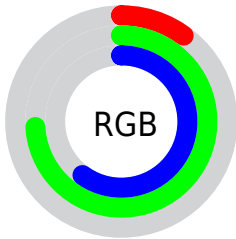
Format	Color
R _Y B	26, 117, 188
Decimal	1752216
CIE Lab	68.35, -47.22, 7.31
CIE LCh	68, 47.785, 171.197
Yxy	38.4531, 0.2447, 0.3908
Android (android.graphics.Color)	4279942296 (0xFF1ABC98)
YUV	135.4580, 8.1552, -95.9947
Hunter-Lab	62.0106, -39.2105, 9.1156

Details

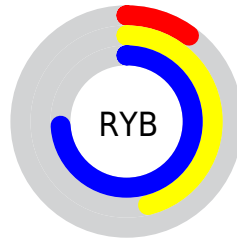
The Yxy color **38.4531, 0.2447, 0.3908** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.7780, 0.5574, 0.2987**, and the grayscale version is **24.4012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7041, 0.2578, 0.3786**, and **17.9898, 0.2467, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **38.1470, 0.2448, 0.3989**, and if you desaturate by 10%, it is **38.9276, 0.2465, 0.3826**.

Distribution



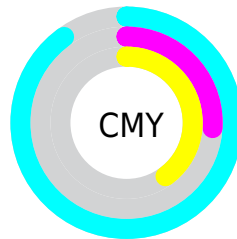
- Red (10%)
- Green (74%)
- Blue (60%)



- Red (10%)
- Yellow (46%)
- Blue (74%)



- Cyan (86%)
- Magenta (0%)
- Yellow (19%)
- Black (26%)





- Cyan (90%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4531, 0.2447, 0.3908 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 38.4531, 0.2447, 0.3908 by changing the saturation by 10% instead.


 38.4531, 0.2447,
0.3908


 38.4531, 0.2447,
0.3908


339.5597, 0.2800,
0.3580


 26.3345, 0.2355,
0.3997


 72.8021, 0.2578,
0.3784

 17.0741, 0.2234,
0.4115

 95.8013, 0.2627,
0.3739


 10.2873, 0.2070,
0.4279


 123.1962, 0.2668,
0.3701

 5.5899, 0.1835,
0.4522

 155.3712, 0.2702,
0.3669

 2.5973, 0.1474,
0.4919

 192.7106, 0.2732,
0.3642

 0.9253, 0.0000,
0.6512

235.5989, 0.2758,

 0.0000, 0.0000,

0.3618

0.0000

284.4205, 0.2780,
0.3598

■ 38.4531, 0.2447,
0.3908

■ 38.4531, 0.2447,
0.3908

■ 38.1470, 0.2448,
0.3989

■ 38.9276, 0.2465,
0.3826

■ 38.0503, 0.2450,
0.4020

■ 39.5950, 0.2502,
0.3745

■ 40.4793, 0.2558,
0.3666

■ 41.5998, 0.2632,
0.3588

■ 42.9737, 0.2721,
0.3515

■ 44.6165, 0.2822,
0.3446

■ 46.5425, 0.2934,
0.3382

■ 48.7651, 0.3052,
0.3323

■ 51.2966, 0.3174,
0.3270

Harmonies

Analogous

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



38.4531, 0.3079, 0.4479



38.4531, 0.2447, 0.3908



38.4531, 0.2028, 0.3158

Triad

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



38.4531, 0.2447, 0.3908



38.4531, 0.2417, 0.2212



38.4531, 0.4542, 0.3769

Complementary

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



38.4531, 0.2447, 0.3908



11.7780, 0.5574, 0.2987

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.



38.4531, 0.4352, 0.3237



38.4531, 0.2447, 0.3908



38.4531, 0.3044, 0.2391

Square

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



38.4531, 0.2447, 0.3908



38.4531, 0.2021, 0.2260



38.4531, 0.3774, 0.2753



38.4531, 0.4304, 0.4266

Rectangle

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



38.4531, 0.2447, 0.3908



38.4531, 0.1903, 0.2736



38.4531, 0.3774, 0.2753



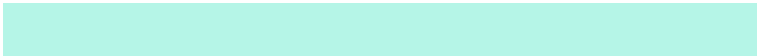
38.4531, 0.4529, 0.3590

Sweetspot

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



38.4546, 0.2447, 0.3908



80.7764, 0.2819, 0.3448



37.1253, 0.3144, 0.5758



17.1377, 0.2783, 0.3471



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4546, 0.2447, 0.3908



68.9201, 0.2454, 0.4033



24.0407, 0.2067, 0.2535



10.7723, 0.3014, 0.3341



25.9174, 0.2447, 0.4010



1.0243, 0.2393, 0.3816

Inverse Universe

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



11.7780, 0.5574, 0.2987



19.6464, 0.6052, 0.3108



15.0471, 0.5656, 0.3690



9.5701, 0.3254, 0.3239



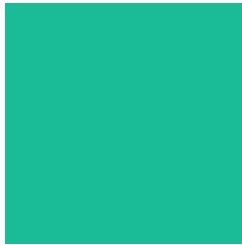
7.4013, 0.5987, 0.3072



0.3000, 0.5307, 0.2697

Previews

White Background



This preview shows how the Yxy color 38.4531, 0.2447, 0.3908 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 38.4531, 0.2447, 0.3908 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 38.4531, 0.2447, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 38.4531, 0.2447, 0.3908.



This preview shows how white text looks on a background with the Yxy color 38.4531, 0.2447, 0.3908.

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

38.4531, 0.2447, 0.3908

Protanopia

37.8024, 0.3438, 0.3646

Deuteranopia

37.8006, 0.3380, 0.3318



Tritanopia

38.4792, 0.2281, 0.3055

Trichromacy



Original Color

38.4531, 0.2447, 0.3908



Protanomaly

35.8938, 0.2904, 0.3760



Deuteranomaly

35.6618, 0.2867, 0.3510



Tritanomaly

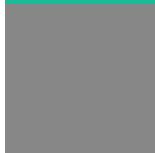
38.2456, 0.2329, 0.3336

Monochromacy



Original Color

38.4531, 0.2447, 0.3908



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4672, 0.2705, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4531, 0.2447, 0.3908 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(26, 188, 152)` looks like.

```
.text, #text, p{  
    color:rgb(26, 188, 152)  
}
```

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(26, 188, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 188, 152) }
```

Border

The CSS property to change the border of an element to Yxy 38.4531, 0.2447, 0.3908 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(26, 188, 152) }
```

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

```
.border{ border-color:rgb(26, 188, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 188, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 188, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 188, 152);  
box-shadow:4px 4px 4px 4px rgb(26, 188,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4531, 0.2447, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 188, 152) }
```

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

```
.background{ background-color: rgb(26, 188,  
152) }
```

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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