

Converting Colors

$Y_{xy}(31.7703, 0.2505, 0.3450)$

Have a look what the booklet for
Yxy(31.7703, 0.2505, 0.3450)
contains.

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Color

Yxy(31.6838, 0.2506, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	4DA79E
RGB	77, 167, 158
RGB Percent	30%, 65%, 62%
CMY	0.6981, 0.3451, 0.3805
CMYK	0.54, 0.00, 0.05, 0.35
HSL	174°, 37%, 48%
HSV	174°, 54%, 65%
XYZ	23.0478, 31.6838, 37.2388
YIQ	139.0640, -50.7510, -21.8790

Conversions

Conversions Part 2

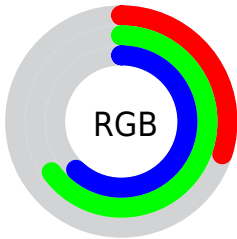
Format	Color
RYB	77, 124, 167
Decimal	5089182
CIELab	63.08, -29.07, -3.52
CIElCh	63, 29.284, 186.902
Yxy	31.6838, 0.2506, 0.3445
Android (android.graphics.Color)	4283279262 (0xFF4DA79E)
YUV	139.0640, 9.3354, -54.4301
Hunter-Lab	56.2884, -25.4162, 0.1772




Details

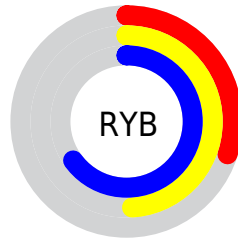
The Yxy color **31.6838, 0.2506, 0.3445** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1930, 0.4511, 0.3158**, and the grayscale version is **25.8206, 0.3127, 0.3290**.




A 20% lighter version of the original color is **62.5660, 0.2625, 0.3416**, and **13.1026, 0.2299, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **31.0202, 0.2436, 0.3478**, and if you desaturate by 10%, it is **32.5290, 0.2593, 0.3413**.

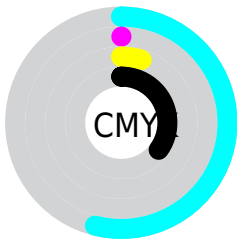
Distribution







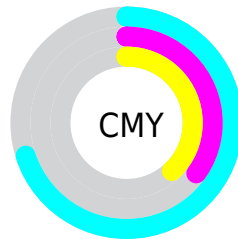
-  Red (30%)
-  Green (65%)
-  Blue (62%)






-  Red (30%)
-  Yellow (49%)
-  Blue (65%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (35%)





-  Cyan (70%)
-  Magenta (35%)
-  Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6838, 0.2506, 0.3445 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 31.6838, 0.2506, 0.3445 by changing the saturation by 10% instead.


 31.6838, 0.2506,
0.3445


 31.6838, 0.2506,
0.3445


309.6763, 0.2832,
0.3367


 21.1201, 0.2419,
0.3464


 62.3151, 0.2628,
0.3417

 13.2118, 0.2305,
0.3489


 83.1514, 0.2673,
0.3406


 7.5746, 0.2148,
0.3521


 108.1807, 0.2711,
0.3397

 3.8240, 0.1918,
0.3563

 137.7875, 0.2742,
0.3389

 1.5756, 0.1534,
0.3626

 172.3560, 0.2770,
0.3383

 0.3411, 0.0000,
0.3559

212.2707, 0.2793,

 0.0000, 0.0000,

0.3377

0.0000

257.9161, 0.2814,
0.3372

■ 31.6838, 0.2506,
0.3445

■ 31.6838, 0.2506,
0.3445

■ 31.0202, 0.2436,
0.3478

■ 32.5290, 0.2593,
0.3413

■ 30.5205, 0.2385,
0.3512

■ 33.5645, 0.2696,
0.3381

■ 30.1700, 0.2353,
0.3546

■ 34.8029, 0.2812,
0.3352

■ 29.9494, 0.2338,
0.3580

■ 36.2548, 0.2939,
0.3324

■ 29.8507, 0.2334,
0.3601

■ 37.9297, 0.3073,
0.3299

■ 39.8370, 0.3213,
0.3276

■ 41.9852, 0.3355,
0.3256

■ 44.3825, 0.3498,
0.3237

■ 47.0367, 0.3639,
0.3221

Harmonies

Analogous

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



31.6838, 0.2879, 0.3878



31.6838, 0.2506, 0.3445



31.6838, 0.2302, 0.2999

Triad

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



31.6838, 0.2506, 0.3445



31.6838, 0.2866, 0.2593



31.6838, 0.4019, 0.3828

Complementary

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



31.6838, 0.2506, 0.3445



14.1930, 0.4511, 0.3158

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.



31.6838, 0.4029, 0.3473



31.6838, 0.2506, 0.3445



31.6838, 0.3334, 0.2792

Square

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



31.6838, 0.2506, 0.3445



31.6838, 0.2498, 0.2548



31.6838, 0.3771, 0.3104



31.6838, 0.3758, 0.4079

Rectangle

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



31.6838, 0.2506, 0.3445



31.6838, 0.2278, 0.2769



31.6838, 0.3771, 0.3104



31.6838, 0.4053, 0.3716

Sweetspot

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



31.6850, 0.2506, 0.3445



64.2685, 0.2908, 0.3331



30.2252, 0.3126, 0.4939



14.2646, 0.2882, 0.3336



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.6850, 0.2506, 0.3445



55.3216, 0.2423, 0.3486



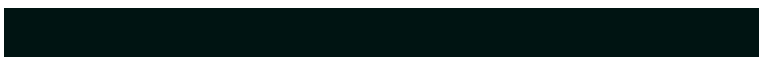
21.0046, 0.2323, 0.2659



8.5189, 0.3000, 0.3313



22.8438, 0.2333, 0.3597



0.5594, 0.2302, 0.3486

Inverse Universe

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



14.1930, 0.4511, 0.3158



20.6014, 0.5034, 0.3147



20.2278, 0.4346, 0.3820



7.5541, 0.3270, 0.3268



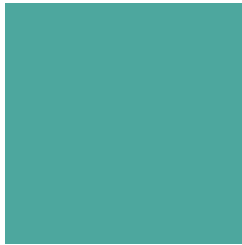
6.3206, 0.6259, 0.3222



0.1574, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 31.6838, 0.2506, 0.3445 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 31.6838, 0.2506, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

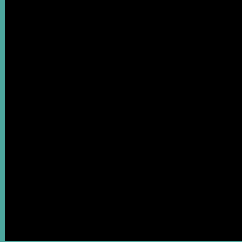
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

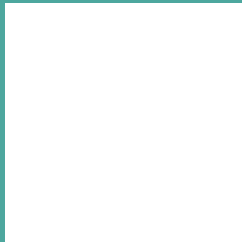
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6838, 0.2506, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 31.6838, 0.2506, 0.3445.

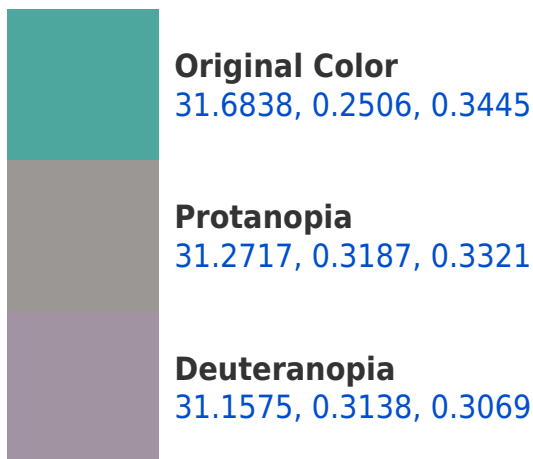


This preview shows how white text looks on a background with the Yxy color 31.6838, 0.2506, 0.3445.

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





Tritanopia

31.6101, 0.2418, 0.3073

Trichromacy



Original Color

31.6838, 0.2506, 0.3445

Protanomaly

30.8930, 0.2889, 0.3371

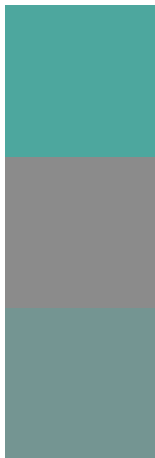
Deuteranomaly

30.5097, 0.2848, 0.3177

Tritanomaly

31.5619, 0.2447, 0.3204

Monochromacy



Original Color

31.6838, 0.2506, 0.3445

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.2832, 0.2833, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6838, 0.2506, 0.3445 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(77, 167, 158)` looks like.

```
.text, #text, p{  
    color:rgb(77, 167, 158)  
}
```

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(77, 167, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 167, 158) }
```

Border

The CSS property to change the border of an element to Yxy 31.6838, 0.2506, 0.3445 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(77, 167, 158) }
```

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

```
.border{ border-color:rgb(77, 167, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 167, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 167, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 167, 158);  
box-shadow:4px 4px 4px 4px rgb(77, 167,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6838, 0.2506, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 167, 158) }
```

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

```
.background{ background-color: rgb(77, 167,  
158) }
```

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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