

Converting Colors

$Y_{xy}(33.0219, 0.2506, 0.3618)$

Have a look what the booklet for
Yxy(33.0219, 0.2506, 0.3618)
contains.

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Color

Yxy(33.0339, 0.2509, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	44AC99
RGB	68, 172, 153
RGB Percent	27%, 67%, 60%
CMY	0.7331, 0.3255, 0.4000
CMYK	0.60, 0.00, 0.11, 0.33
HSL	169°, 43%, 47%
HSV	169°, 60%, 67%
XYZ	22.8893, 33.0339, 35.3055
YIQ	138.7380, -55.8850, -27.9570

Conversions

Conversions Part 2

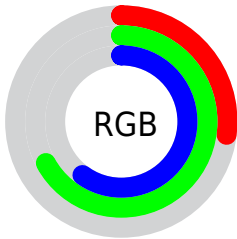
Format	Color
RYB	68, 125, 172
Decimal	4500633
CIELab	64.19, -34.56, 0.85
CIElCh	64, 34.573, 178.584
Yxy	33.0339, 0.2509, 0.3621
Android (android.graphics.Color)	4282690713 (0xFF44AC99)
YUV	138.7380, 7.0312, -62.0372
Hunter-Lab	57.4751, -29.4945, 3.8123

Details

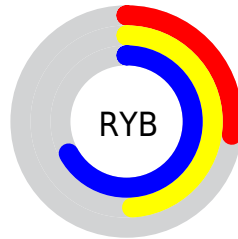
The Yxy color **33.0339, 0.2509, 0.3621** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.6019, 0.4627, 0.3025**, and the grayscale version is **25.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4274, 0.2630, 0.3560**, and **14.1530, 0.2369, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **32.4017, 0.2457, 0.3686**, and if you desaturate by 10%, it is **33.8529, 0.2579, 0.3558**.

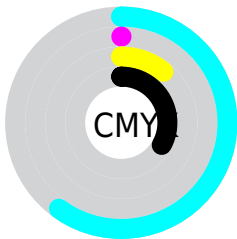
Distribution



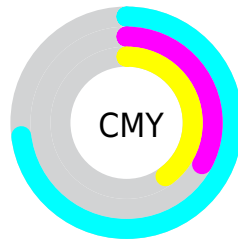
- Red (27%)
- Green (67%)
- Blue (60%)



- Red (27%)
- Yellow (49%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (73%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0339, 0.2509, 0.3621 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 33.0339, 0.2509, 0.3621 by changing the saturation by 10% instead.


 33.0339, 0.2509,
0.3621


 33.0339, 0.2509,
0.3621


315.8025, 0.2834,
0.3446

 22.1524, 0.2423,
0.3668


 64.4285, 0.2631,
0.3555


 13.9689, 0.2309,
0.3730


 85.7103, 0.2676,
0.3531


 8.0991, 0.2151,
0.3816


 111.2277, 0.2713,
0.3511

 4.1584, 0.1922,
0.3942

 141.3652, 0.2744,
0.3494

 1.7626, 0.1532,
0.4159

 176.5069, 0.2772,
0.3480

 0.4637, 0.0000,
0.5102

217.0375, 0.2795,

 0.0000, 0.0000,

0.3467

0.0000

263.3412, 0.2816,
0.3456

■ 33.0339, 0.2509,
0.3621

■ 33.0339, 0.2509,
0.3621

■ 32.4017, 0.2457,
0.3686

■ 33.8529, 0.2579,
0.3558

■ 31.9359, 0.2425,
0.3751

■ 34.8693, 0.2665,
0.3497

■ 31.6187, 0.2411,
0.3816

■ 36.0972, 0.2765,
0.3440

■ 31.4138, 0.2411,
0.3878

■ 37.5486, 0.2876,
0.3386

■ 39.2345, 0.2996,
0.3337

■ 41.1651, 0.3122,
0.3292

■ 43.3500, 0.3251,
0.3251

■ 45.7984, 0.3381,
0.3215

■ 48.5188, 0.3510,
0.3183

Harmonies

Analogous

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



33.0339, 0.2976, 0.4093



33.0339, 0.2509, 0.3621



33.0339, 0.2220, 0.3077

Triad

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



33.0339, 0.2509, 0.3621



33.0339, 0.2688, 0.2458



33.0339, 0.4198, 0.3792

Complementary

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



33.0339, 0.2509, 0.3621



13.6019, 0.4627, 0.3025

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.



33.0339, 0.4125, 0.3371



33.0339, 0.2509, 0.3621



33.0339, 0.3208, 0.2640

Square

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



33.0339, 0.2509, 0.3621



33.0339, 0.2318, 0.2457



33.0339, 0.3749, 0.2964



33.0339, 0.3962, 0.4138

Rectangle

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



33.0339, 0.2509, 0.3621



33.0339, 0.2152, 0.2780



33.0339, 0.3749, 0.2964



33.0339, 0.4210, 0.3655

Sweetspot

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



33.0352, 0.2509, 0.3621



68.7285, 0.2901, 0.3376



31.9542, 0.3168, 0.5129



14.7598, 0.2868, 0.3390



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.0352, 0.2509, 0.3621



58.4211, 0.2442, 0.3711



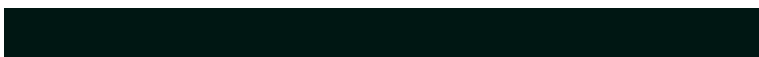
22.7000, 0.2266, 0.2696



9.0466, 0.3010, 0.3332



23.3853, 0.2409, 0.3871



0.6570, 0.2354, 0.3675

Inverse Universe

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



13.6019, 0.4627, 0.3025



19.9523, 0.5196, 0.3016



18.4917, 0.4630, 0.3770



8.0384, 0.3259, 0.3249



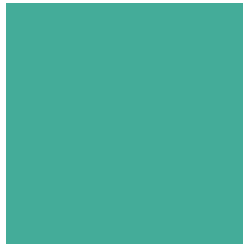
6.6083, 0.6086, 0.3126



0.1908, 0.5333, 0.2712

Previews

White Background



This preview shows how the Yxy color 33.0339, 0.2509, 0.3621 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 33.0339, 0.2509, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

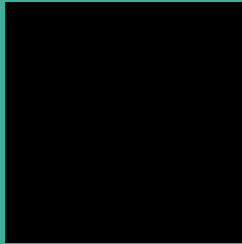
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0339, 0.2509, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 33.0339, 0.2509, 0.3621.

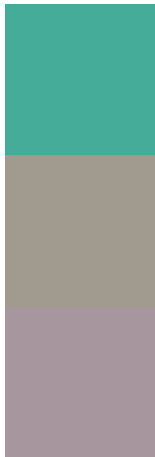


This preview shows how white text looks on a background with the Yxy color 33.0339, 0.2509, 0.3621.

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

33.0339, 0.2509, 0.3621

Protanopia

32.5680, 0.3291, 0.3457

Deuteranopia

32.6061, 0.3235, 0.3174



Tritanopia

33.0037, 0.2383, 0.3076

Trichromacy



Original Color

33.0339, 0.2509, 0.3621

Protanomaly

32.1083, 0.2933, 0.3518

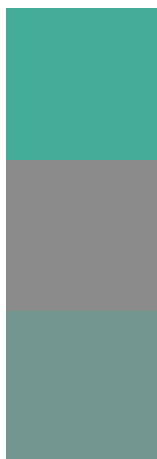
Deuteranomaly

31.7596, 0.2901, 0.3321

Tritanomaly

32.8121, 0.2424, 0.3254

Monochromacy



Original Color

33.0339, 0.2509, 0.3621

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.6575, 0.2826, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0339, 0.2509, 0.3621 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(68, 172, 153)` looks like.

```
.text, #text, p{  
    color:rgb(68, 172, 153)  
}
```

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(68, 172, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 172, 153) }
```

Border

The CSS property to change the border of an element to Yxy 33.0339, 0.2509, 0.3621 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(68, 172, 153) }
```

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

```
.border{ border-color:rgb(68, 172, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 172, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 172, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 172, 153);  
box-shadow:4px 4px 4px 4px rgb(68, 172,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0339, 0.2509, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 172, 153) }
```

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

```
.background{ background-color: rgb(68, 172,  
153) }
```

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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