

Converting Colors

$Y_{xy}(31.9978, 0.2305, 0.3054)$

Have a look what the booklet for
Yxy(31.9978, 0.2305, 0.3054)
contains.

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Color

Yxy(31.9978, 0.2305, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	3EA7B5
RGB	62, 167, 181
RGB Percent	24%, 65%, 71%
CMY	0.7565, 0.3451, 0.2901
CMYK	0.66, 0.08, 0.00, 0.29
HSL	187°, 49%, 48%
HSV	187°, 66%, 71%
XYZ	24.1503, 31.9978, 48.6253
YIQ	137.2010, -67.0740, -17.9060

Conversions

Conversions Part 2

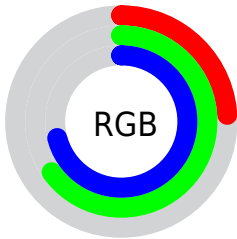
Format	Color
RYB	62, 118, 181
Decimal	4106165
CIELab	63.34, -25.30, -16.08
CIELCh	63, 29.976, 212.436
Yxy	31.9978, 0.2305, 0.3054
Android (android.graphics.Color)	4282296245 (0xFF3EA7B5)
YUV	137.2010, 21.5929, -65.9513
Hunter-Lab	56.5666, -22.7836, -11.3698

Details

The Yxy color **31.9978, 0.2305, 0.3054** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3566, 0.5093, 0.3472**, and the grayscale version is **25.0409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5679, 0.2458, 0.3102**, and **13.8200, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **30.7320, 0.2236, 0.3013**, and if you desaturate by 10%, it is **33.4738, 0.2392, 0.3095**.

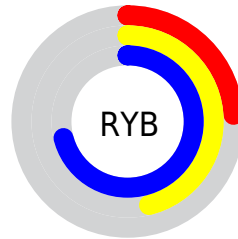
Distribution



Red (24%)

Green (65%)

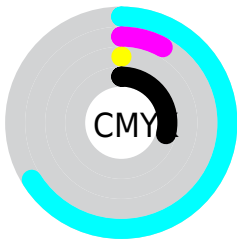
Blue (71%)



Red (24%)

Yellow (46%)

Blue (71%)

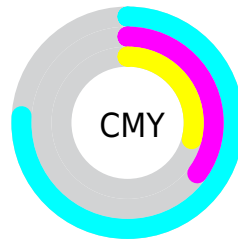


Cyan (66%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (76%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9978, 0.2305, 0.3054 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 31.9978, 0.2305, 0.3054 by changing the saturation by 10% instead.


 31.9978, 0.2305,
0.3054


 31.9978, 0.2305,
0.3054


 311.1092, 0.2728,
0.3191


 21.3598, 0.2196,
0.3013

 62.8076, 0.2461,
0.3109

 13.3873, 0.2056,
0.2956


 83.7483, 0.2519,
0.3128


 7.6958, 0.1868,
0.2873


 108.8919, 0.2568,
0.3143

 3.9009, 0.1605,
0.2742

 138.6230, 0.2610,
0.3156

 1.6183, 0.1221,
0.2514

 173.3259, 0.2645,
0.3167

 0.3699, 0.0000,
0.1837

213.3849, 0.2677,

 0.0000, 0.0000,

0.3176

0.0000

259.1846, 0.2704,
0.3184

■ 31.9978, 0.2305,
0.3054

■ 31.9978, 0.2305,
0.3054

■ 30.7320, 0.2236,
0.3013

■ 33.4738, 0.2392,
0.3095

■ 29.6525, 0.2187,
0.2972

■ 35.1740, 0.2497,
0.3134

■ 28.7351, 0.2154,
0.2932

■ 37.1151, 0.2617,
0.3172

■ 28.3666, 0.2143,
0.2915

■ 39.3113, 0.2749,
0.3208

■ 41.7755, 0.2891,
0.3242

■ 44.5199, 0.3040,
0.3273

■ 47.5556, 0.3193,
0.3302

■ 50.8935, 0.3348,
0.3328

■ 54.5436, 0.3501,
0.3351

Harmonies

Analogous

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



31.9978, 0.2541, 0.3519



31.9978, 0.2305, 0.3054



31.9978, 0.2272, 0.2707

Triad

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



31.9978, 0.2305, 0.3054



31.9978, 0.3264, 0.2744



31.9978, 0.3823, 0.4067

Complementary

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



31.9978, 0.2305, 0.3054



15.3566, 0.5093, 0.3472

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.



31.9978, 0.4056, 0.3787



31.9978, 0.2305, 0.3054



31.9978, 0.3726, 0.3048

Square

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



31.9978, 0.2305, 0.3054



31.9978, 0.2795, 0.2562



31.9978, 0.4024, 0.3418



31.9978, 0.3410, 0.4146

Rectangle

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



31.9978, 0.2305, 0.3054



31.9978, 0.2365, 0.2576



31.9978, 0.4024, 0.3418



31.9978, 0.3926, 0.3990

Sweetspot

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



31.9990, 0.2305, 0.3054



72.7031, 0.2824, 0.3227



34.6007, 0.2963, 0.5173



15.4531, 0.2785, 0.3217



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.9990, 0.2305, 0.3054



54.1005, 0.2211, 0.2994



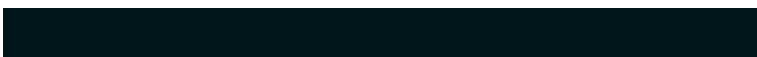
15.0196, 0.2048, 0.1964



9.4571, 0.2986, 0.3262



19.6186, 0.2144, 0.2920



0.6653, 0.2176, 0.3032

Inverse Universe

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



16.0693, 0.3384, 0.1959



24.6048, 0.3450, 0.1798



27.6200, 0.4431, 0.4271



8.6291, 0.3155, 0.3092



8.5206, 0.3526, 0.1716



0.2729, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 31.9978, 0.2305, 0.3054 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 31.9978, 0.2305, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

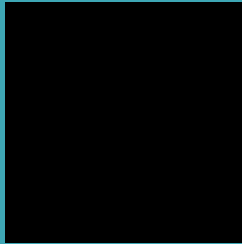
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9978, 0.2305, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 31.9978, 0.2305, 0.3054.



This preview shows how white text looks on a background with the Yxy color 31.9978, 0.2305, 0.3054.

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

31.9978, 0.2305, 0.3054

Protanopia

31.5575, 0.2937, 0.2990

Deuteranopia

31.5770, 0.2827, 0.2767



Tritanopia

31.9978, 0.2305, 0.3054

Trichromacy



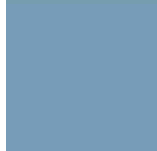
Original Color

31.9978, 0.2305, 0.3054



Protanomaly

31.0606, 0.2636, 0.3003



Deuteranomaly

31.1596, 0.2578, 0.2854



Tritanomaly

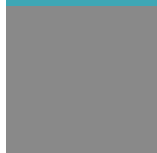
31.9978, 0.2305, 0.3054

Monochromacy



Original Color

31.9978, 0.2305, 0.3054



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.7947, 0.2721, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9978, 0.2305, 0.3054 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(62, 167, 181)` looks like.

```
.text, #text, p{  
    color:rgb(62, 167, 181)  
}
```

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(62, 167, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 167, 181) }
```

Border

The CSS property to change the border of an element to Yxy 31.9978, 0.2305, 0.3054 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(62, 167, 181) }
```

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

```
.border{ border-color:rgb(62, 167, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 167, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 167, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 167, 181);  
box-shadow:4px 4px 4px 4px rgb(62, 167,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9978, 0.2305, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 167, 181) }
```

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

```
.background{ background-color: rgb(62, 167,  
181) }
```

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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