

Converting Colors

$Yxy(31.2344, 0.2354, 0.3119)$

Have a look what the booklet for
Yxy(31.2344, 0.2354, 0.3119)
contains.

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Color

Yxy(31.2344, 0.2354, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	44A5AF
RGB	68, 165, 175
RGB Percent	27%, 65%, 69%
CMY	0.7335, 0.3529, 0.3138
CMYK	0.61, 0.06, 0.00, 0.31
HSL	186°, 44%, 48%
HSV	186°, 61%, 69%
XYZ	23.5735, 31.2344, 45.3344
YIQ	137.1370, -61.0220, -17.4540

Conversions

Conversions Part 2

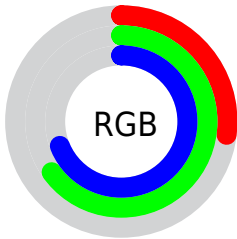
Format	Color
RYB	68, 119, 175
Decimal	4498863
CIELab	62.71, -25.10, -13.65
CIElCh	63, 28.569, 208.530
Yxy	31.2344, 0.2354, 0.3119
Android (android.graphics.Color)	4282688943 (0xFF44A5AF)
YUV	137.1370, 18.6665, -60.6331
Hunter-Lab	55.8877, -22.5121, -8.9728

Details

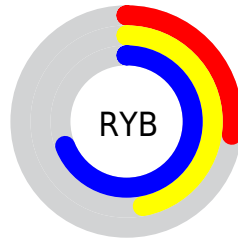
The Yxy color **31.2344, 0.2354, 0.3119** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9695, 0.4914, 0.3431**, and the grayscale version is **25.0132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4679, 0.2499, 0.3150**, and **13.2403, 0.2179, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **30.1132, 0.2280, 0.3087**, and if you desaturate by 10%, it is **32.5531, 0.2446, 0.3150**.

Distribution



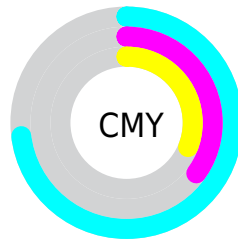
- Red (27%)
- Green (65%)
- Blue (69%)



- Red (27%)
- Yellow (47%)
- Blue (69%)



- Cyan (61%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (73%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2344, 0.2354, 0.3119 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 31.2344, 0.2354, 0.3119 by changing the saturation by 10% instead.


 31.2344, 0.2354,
0.3119

 31.2344, 0.2354,
0.3119


307.6167, 0.2755,
0.3221


 20.7774, 0.2250,
0.3088


 61.6089, 0.2503,
0.3160

 12.9614, 0.2114,
0.3043


 82.2952, 0.2558,
0.3174


 7.4020, 0.1931,
0.2977


 107.1601, 0.2604,
0.3186

 3.7147, 0.1672,
0.2869

 136.5880, 0.2643,
0.3195

 1.5153, 0.1278,
0.2675

 170.9631, 0.2677,
0.3203

 0.2995, 0.0000,
0.1854

210.6701, 0.2706,

 0.0000, 0.0000,

0.3210

0.0000

256.0931, 0.2732,
0.3216

■ 31.2344, 0.2354,
0.3119

■ 31.2344, 0.2354,
0.3119

■ 30.1132, 0.2280,
0.3087

■ 32.5531, 0.2446,
0.3150

■ 29.1688, 0.2225,
0.3055

■ 34.0811, 0.2555,
0.3181

■ 28.3818, 0.2188,
0.3024

■ 35.8331, 0.2679,
0.3210

■ 27.7786, 0.2166,
0.2996

■ 37.8217, 0.2814,
0.3238

■ 40.0583, 0.2959,
0.3264

■ 42.5537, 0.3109,
0.3287

■ 45.3180, 0.3263,
0.3309

■ 48.3607, 0.3418,
0.3328

■ 51.6910, 0.3572,
0.3346

Harmonies

Analogous

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



31.2344, 0.2606, 0.3570



31.2344, 0.2354, 0.3119



31.2344, 0.2296, 0.2764

Triad

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



31.2344, 0.2354, 0.3119



31.2344, 0.3198, 0.2733



31.2344, 0.3838, 0.4012

Complementary

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



31.2344, 0.2354, 0.3119



14.9695, 0.4914, 0.3431

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.



31.2344, 0.4031, 0.3728



31.2344, 0.2354, 0.3119



31.2344, 0.3651, 0.3014

Square

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



31.2344, 0.2354, 0.3119



31.2344, 0.2756, 0.2576



31.2344, 0.3965, 0.3367



31.2344, 0.3458, 0.4115

Rectangle

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



31.2344, 0.2354, 0.3119



31.2344, 0.2368, 0.2621



31.2344, 0.3965, 0.3367



31.2344, 0.3928, 0.3932

Sweetspot

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



31.2356, 0.2354, 0.3119



68.8463, 0.2855, 0.3245



32.4153, 0.2989, 0.5088



15.0571, 0.2814, 0.3238



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.



31.2356, 0.2354, 0.3119



53.3857, 0.2261, 0.3077



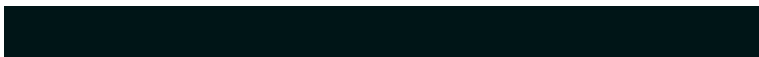
16.0339, 0.2135, 0.2143



8.9425, 0.2986, 0.3268



19.9455, 0.2167, 0.3000



0.5911, 0.2193, 0.3095

Inverse Universe

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



15.9592, 0.3326, 0.2001



24.4185, 0.3374, 0.1824



25.5990, 0.4361, 0.4173



8.1350, 0.3151, 0.3087



8.3166, 0.3454, 0.1677



0.2350, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 31.2344, 0.2354, 0.3119 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 31.2344, 0.2354, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

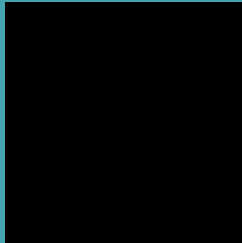
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

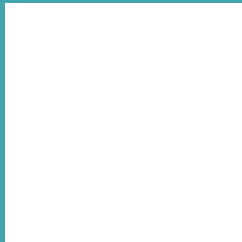
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2344, 0.2354, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 31.2344, 0.2354, 0.3119.

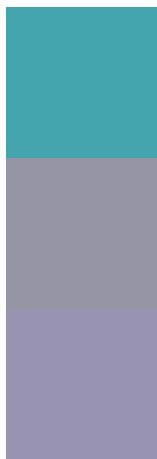


This preview shows how white text looks on a background with the Yxy color 31.2344, 0.2354, 0.3119.

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

31.2344, 0.2354, 0.3119

Protanopia

30.9189, 0.2980, 0.3062

Deuteranopia

30.7975, 0.2885, 0.2819



Tritanopia

31.3898, 0.2342, 0.3070

Trichromacy



Original Color

31.2344, 0.2354, 0.3119

Protanomaly

30.3003, 0.2692, 0.3063

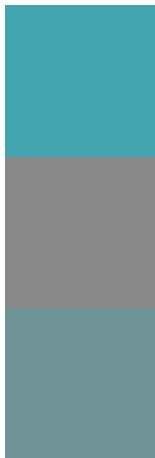
Deuteranomaly

30.3905, 0.2632, 0.2911

Tritanomaly

31.3498, 0.2347, 0.3086

Monochromacy



Original Color

31.2344, 0.2354, 0.3119

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5465, 0.2753, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2344, 0.2354, 0.3119 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, 165, 175)` looks like.

```
.text, #text, p{  
    color:rgb(68, 165, 175)  
}
```

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, 165, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 165, 175) }
```

Border

The CSS property to change the border of an element to Yxy 31.2344, 0.2354, 0.3119 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, 165, 175) }
```

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

```
.border{ border-color:rgb(68, 165, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 165, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 165, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 165, 175);  
box-shadow:4px 4px 4px 4px rgb(68, 165,  
175) }
```


Background

The CSS property to change the background color of an element to `rgb(31.2344, 0.2354, 0.3119)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 165, 175) }
```

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

```
.background{ background-color: rgb(68, 165,  
175) }
```

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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