

Converting Colors

$Yxy(29.3851, 0.2342, 0.3111)$

Have a look what the booklet for
Yxy(29.3851, 0.2342, 0.3111)
contains.

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Color

Yxy(29.5200, 0.2343, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	40A1AB
RGB	64, 161, 171
RGB Percent	25%, 63%, 67%
CMY	0.7490, 0.3686, 0.3293
CMYK	0.63, 0.06, 0.00, 0.33
HSL	186°, 46%, 46%
HSV	186°, 63%, 67%
XYZ	22.2111, 29.5200, 43.0666
YIQ	133.1370, -61.0220, -17.4540

Conversions

Conversions Part 2

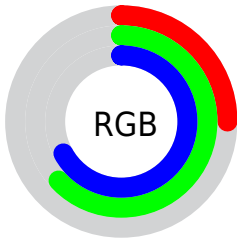
Format	Color
R_{YB}	64, 115, 171
Decimal	4235691
CIE _{Lab}	61.24, -24.95, -13.64
CIE _{LCh}	61, 28.434, 208.670
Yxy	29.5200, 0.2343, 0.3114
Android (android.graphics.Color)	4282425771 (0xFF40A1AB)
YUV	133.1370, 18.6665, -60.6331
Hunter-Lab	54.3323, -22.1106, -8.9637

Details

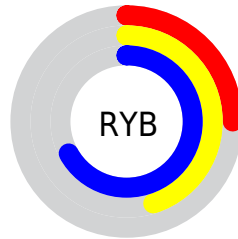
The Yxy color **29.5200, 0.2343, 0.3114** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9306, 0.4972, 0.3433**, and the grayscale version is **23.4557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8137, 0.2496, 0.3160**, and **12.2692, 0.2176, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **28.4769, 0.2271, 0.3082**, and if you desaturate by 10%, it is **30.7483, 0.2433, 0.3146**.

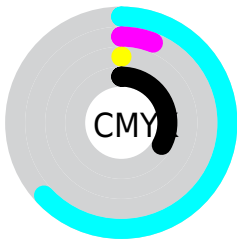
Distribution



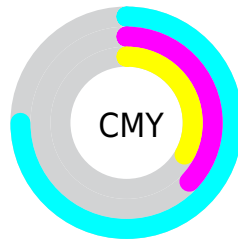
- Red (25%)
- Green (63%)
- Blue (67%)



- Red (25%)
- Yellow (45%)
- Blue (67%)



- Cyan (63%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)




- Cyan (75%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5200, 0.2343, 0.3114 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 29.5200, 0.2343, 0.3114 by changing the saturation by 10% instead.


 29.5200, 0.2343,
0.3114


 29.5200, 0.2343,
0.3114


299.6606, 0.2753,
0.3220

 19.4745, 0.2235,
0.3081


 58.9023, 0.2496,
0.3157


 12.0137, 0.2094,
0.3034


 79.0078, 0.2552,
0.3172

 6.7530, 0.1903,
0.2963


 103.2356, 0.2600,
0.3184

 3.3081, 0.1630,
0.2846

 131.9699, 0.2640,
0.3193

 1.2946, 0.1171,
0.2643

 165.5952, 0.2674,
0.3202

 0.1370, 0.0000,
0.1099

204.4958, 0.2704,

 0.0000, 0.0000,

0.3209

0.0000

249.0561, 0.2730,
0.3214

■ 29.5200, 0.2343,
0.3114

■ 29.5200, 0.2343,
0.3114

■ 28.4769, 0.2271,
0.3082

■ 30.7483, 0.2433,
0.3146

■ 27.5989, 0.2219,
0.3050

■ 32.1730, 0.2540,
0.3176

■ 26.8673, 0.2184,
0.3019

■ 33.8083, 0.2661,
0.3206

■ 26.3867, 0.2165,
0.2995

■ 35.6662, 0.2795,
0.3234

■ 37.7576, 0.2938,
0.3260

■ 40.0929, 0.3088,
0.3284

■ 42.6816, 0.3241,
0.3306

■ 45.5328, 0.3396,
0.3326

■ 48.6553, 0.3550,
0.3344

Harmonies

Analogous

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



29.5200, 0.2597, 0.3572



29.5200, 0.2343, 0.3114



29.5200, 0.2285, 0.2755

Triad

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



29.5200, 0.2343, 0.3114



29.5200, 0.3201, 0.2727



29.5200, 0.3846, 0.4023

Complementary

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



29.5200, 0.2343, 0.3114



13.9306, 0.4972, 0.3433

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.



29.5200, 0.4043, 0.3734



29.5200, 0.2343, 0.3114



29.5200, 0.3660, 0.3012

Square

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



29.5200, 0.2343, 0.3114



29.5200, 0.2753, 0.2568



29.5200, 0.3978, 0.3369



29.5200, 0.3460, 0.4128

Rectangle

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



29.5200, 0.2343, 0.3114



29.5200, 0.2359, 0.2611



29.5200, 0.3978, 0.3369



29.5200, 0.3938, 0.3941

Sweetspot

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



29.5211, 0.2343, 0.3114



65.0255, 0.2840, 0.3243



30.7044, 0.2987, 0.5130



14.2767, 0.2801, 0.3235



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.



29.5211, 0.2343, 0.3114



50.3635, 0.2250, 0.3070



14.8810, 0.2115, 0.2114



8.9419, 0.2986, 0.3268



19.9268, 0.2166, 0.2999



0.5907, 0.2193, 0.3094

Inverse Universe

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



14.9000, 0.3331, 0.1980



22.7518, 0.3381, 0.1804



24.0622, 0.4392, 0.4187



8.1350, 0.3151, 0.3087



8.3147, 0.3455, 0.1677



0.2350, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 29.5200, 0.2343, 0.3114 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5200, 0.2343, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

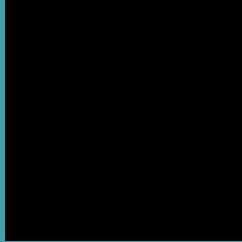
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5200, 0.2343, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 29.5200, 0.2343, 0.3114.

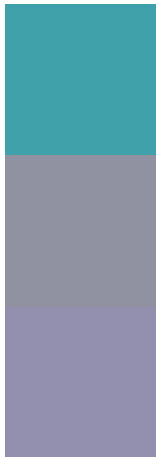


This preview shows how white text looks on a background with the Yxy color 29.5200, 0.2343, 0.3114.

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

29.5200, 0.2343, 0.3114

Protanopia

29.1507, 0.2976, 0.3056

Deuteranopia

29.2447, 0.2870, 0.2822



Tritanopia

29.6695, 0.2331, 0.3065

Trichromacy



Original Color

29.5200, 0.2343, 0.3114

Protanomaly

28.5628, 0.2683, 0.3058

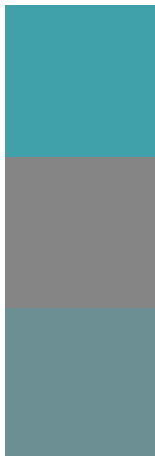
Deuteranomaly

28.6506, 0.2621, 0.2902

Tritanomaly

29.6307, 0.2336, 0.3081

Monochromacy



Original Color

29.5200, 0.2343, 0.3114

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.9397, 0.2745, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5200, 0.2343, 0.3114 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(64, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(64, 161, 171)  
}
```

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(64, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 161, 171) }
```

Border

The CSS property to change the border of an element to Yxy 29.5200, 0.2343, 0.3114 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(64, 161, 171) }
```

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

```
.border{ border-color:rgb(64, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(64, 161,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5200, 0.2343, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 161, 171) }
```

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

```
.background{ background-color: rgb(64, 161,  
171) }
```

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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