

Converting Colors

$Yxy(30.2815, 0.2355, 0.3151)$

Have a look what the booklet for
Yxy(30.2815, 0.2355, 0.3151)
contains.

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Color

Yxy(30.2585, 0.2356, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	41A3AB
RGB	65, 163, 171
RGB Percent	25%, 64%, 67%
CMY	0.7447, 0.3608, 0.3295
CMYK	0.62, 0.05, 0.00, 0.33
HSL	185°, 45%, 46%
HSV	185°, 62%, 67%
XYZ	22.6314, 30.2585, 43.1688
YIQ	134.6100, -60.9760, -18.2880

Conversions

Conversions Part 2

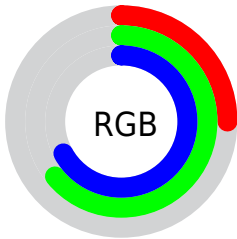
Format	Color
RYB	65, 116, 171
Decimal	4301739
CIELab	61.88, -25.77, -12.66
CIELCh	62, 28.711, 206.156
Yxy	30.2585, 0.2356, 0.3150
Android (android.graphics.Color)	4282491819 (0xFF41A3AB)
YUV	134.6100, 17.9403, -61.0480
Hunter-Lab	55.0077, -22.8245, -8.0240

Details

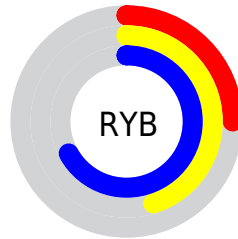
The Yxy color **30.2585, 0.2356, 0.3150** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8165, 0.4963, 0.3405**, and the grayscale version is **24.0357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9189, 0.2505, 0.3186**, and **12.7008, 0.2191, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **29.3049, 0.2286, 0.3125**, and if you desaturate by 10%, it is **31.3958, 0.2445, 0.3175**.

Distribution



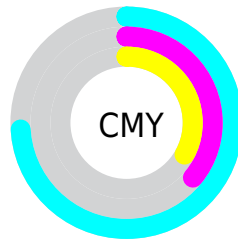
- Red (25%)
- Green (64%)
- Blue (67%)



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



- Cyan (62%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)




- Cyan (74%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2585, 0.2356, 0.3150 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 30.2585, 0.2356, 0.3150 by changing the saturation by 10% instead.


 30.2585, 0.2356,
0.3150


 30.2585, 0.2356,
0.3150


303.1075, 0.2758,
0.3236


 20.0349, 0.2251,
0.3123


 60.0707, 0.2506,
0.3185


 12.4204, 0.2113,
0.3083


 80.4282, 0.2561,
0.3197


 7.0307, 0.1926,
0.3024

 104.9323, 0.2607,
0.3207

 3.4813, 0.1660,
0.2924

 133.9675, 0.2647,
0.3215

 1.3879, 0.1228,
0.2745

 167.9183, 0.2681,
0.3221

 0.2078, 0.0000,
0.1566

207.1689, 0.2710,

 0.0000, 0.0000,

0.3227

0.0000

252.1039, 0.2736,
0.3232

■ 30.2585, 0.2356,
0.3150

■ 30.2585, 0.2356,
0.3150

■ 29.3049, 0.2286,
0.3125

■ 31.3958, 0.2445,
0.3175

■ 28.5149, 0.2234,
0.3099

■ 32.7278, 0.2551,
0.3200

■ 27.8703, 0.2200,
0.3074

■ 34.2686, 0.2671,
0.3224

■ 27.4213, 0.2182,
0.3054

■ 36.0301, 0.2805,
0.3246

■ 38.0231, 0.2948,
0.3267

■ 40.2580, 0.3098,
0.3286

■ 42.7442, 0.3252,
0.3304

■ 45.4908, 0.3407,
0.3320

■ 48.5065, 0.3562,
0.3334

Harmonies

Analogous

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



30.2585, 0.2626, 0.3610



30.2585, 0.2356, 0.3150



30.2585, 0.2281, 0.2778

Triad

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



30.2585, 0.2356, 0.3150



30.2585, 0.3161, 0.2707



30.2585, 0.3872, 0.4005

Complementary

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



30.2585, 0.2356, 0.3150



13.8165, 0.4963, 0.3405

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.



30.2585, 0.4050, 0.3706



30.2585, 0.2356, 0.3150



30.2585, 0.3626, 0.2984

Square

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



30.2585, 0.2356, 0.3150



30.2585, 0.2719, 0.2560



30.2585, 0.3961, 0.3338



30.2585, 0.3498, 0.4130

Rectangle

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



30.2585, 0.2356, 0.3150



30.2585, 0.2344, 0.2624



30.2585, 0.3961, 0.3338



30.2585, 0.3958, 0.3919

Sweetspot

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



30.2596, 0.2356, 0.3150



65.4233, 0.2841, 0.3252



30.7182, 0.2998, 0.5138



14.3779, 0.2802, 0.3246



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.



30.2596, 0.2356, 0.3150



51.9823, 0.2266, 0.3116



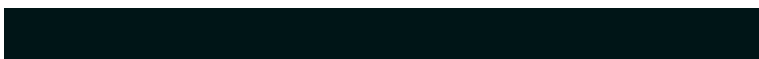
15.4325, 0.2133, 0.2163



8.9671, 0.2986, 0.3272



20.7091, 0.2182, 0.3056



0.6060, 0.2203, 0.3132

Inverse Universe

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



15.0927, 0.3302, 0.1970



23.1262, 0.3342, 0.1792



23.7325, 0.4395, 0.4156



8.1375, 0.3149, 0.3083



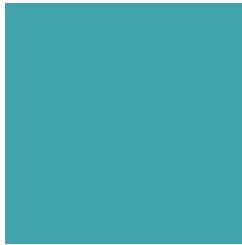
8.3936, 0.3405, 0.1649



0.2365, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 30.2585, 0.2356, 0.3150 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 30.2585, 0.2356, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

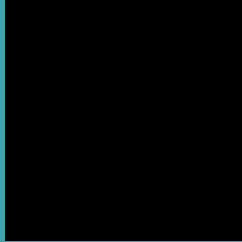
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

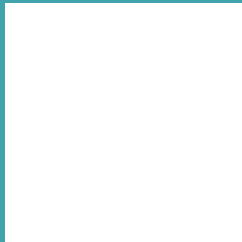
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2585, 0.2356, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 30.2585, 0.2356, 0.3150.

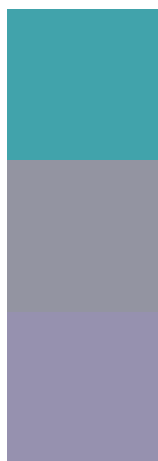


This preview shows how white text looks on a background with the Yxy color 30.2585, 0.2356, 0.3150.

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

30.2585, 0.2356, 0.3150

Protanopia

29.9561, 0.2996, 0.3089

Deuteranopia

29.8300, 0.2900, 0.2841



Tritanopia

30.1291, 0.2338, 0.3066

Trichromacy



Original Color

30.2585, 0.2356, 0.3150

Protanomaly

29.2810, 0.2695, 0.3092

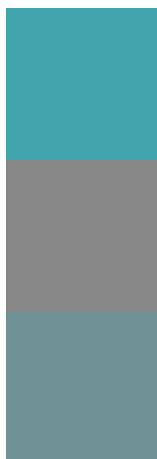
Deuteranomaly

29.4344, 0.2641, 0.2936

Tritanomaly

30.0549, 0.2339, 0.3082

Monochromacy



Original Color

30.2585, 0.2356, 0.3150

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.7039, 0.2757, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2585, 0.2356, 0.3150 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(65, 163, 171)` looks like.

```
.text, #text, p{  
    color:rgb(65, 163, 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(65, 163, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 163, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.2585, 0.2356, 0.3150 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(65, 163, 171) }
```

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

```
.border{ border-color:rgb(65, 163, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 163, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 163, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 163, 171);  
box-shadow:4px 4px 4px 4px rgb(65, 163,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2585, 0.2356, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 163, 171) }
```

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

```
.background{ background-color: rgb(65, 163,  
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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