

Converting Colors

$Yxy(31.5949, 0.2638, 0.3057)$

Have a look what the booklet for
Yxy(31.5949, 0.2638, 0.3057)
contains.

Yxy(31.5653, 0.2632, 0.3050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5653, 0.2632, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	749FAE
RGB	116, 159, 174
RGB Percent	45%, 62%, 68%
CMY	0.5451, 0.3765, 0.3177
CMYK	0.33, 0.09, 0.00, 0.32
HSL	195°, 26%, 57%
HSV	195°, 33%, 68%
XYZ	27.2393, 31.5653, 44.6882
YIQ	147.8530, -30.4430, -4.4510

Conversions

Conversions Part 2

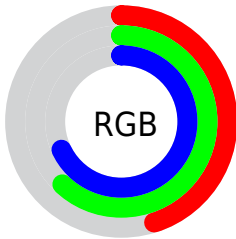
Format	Color
RYB	116, 141, 174
Decimal	7643054
CIELab	62.98, -10.79, -12.45
CIElCh	63, 16.477, 229.103
Yxy	31.5653, 0.2632, 0.3050
Android (android.graphics.Color)	4285833134 (0xFF749FAE)
YUV	147.8530, 12.8905, -27.9351
Hunter-Lab	56.1830, -11.7778, -7.8314

Details

The Yxy color **31.5653, 0.2632, 0.3050** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.4844, 0.3812, 0.3516**, and the grayscale version is **29.5056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2963, 0.2734, 0.3110**, and **13.2541, 0.2473, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **28.9662, 0.2496, 0.2965**, and if you desaturate by 10%, it is **34.4463, 0.2776, 0.3129**.

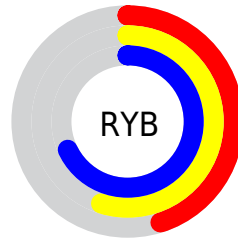
Distribution



Red (45%)

Green (62%)

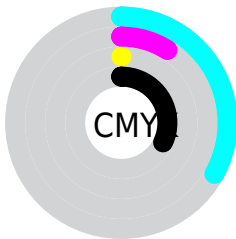
Blue (68%)



Red (45%)

Yellow (55%)

Blue (68%)

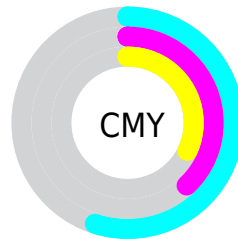


Cyan (33%)

Magenta (9%)

Yellow (0%)

Black (32%)



Cyan (55%)


Magenta (38%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5653, 0.2632, 0.3050 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 31.5653, 0.2632, 0.3050 by changing the saturation by 10% instead.


 31.5653, 0.2632,
0.3050


 31.5653, 0.2632,
0.3050


309.1343, 0.2891,
0.3181


 21.0297, 0.2563,
0.3013


 62.1290, 0.2729,
0.3101

 13.1457, 0.2473,
0.2963


 82.9259, 0.2765,
0.3119

 7.5290, 0.2349,
0.2893


 107.9119, 0.2794,
0.3134

 3.7950, 0.2168,
0.2784

137.4716, 0.2820,
0.3146

 1.5596, 0.1884,
0.2599

171.9893, 0.2841,
0.3157

 0.3301, 0.0308,
0.2018

211.8494, 0.2860,

 0.0000, 0.0000,

0.3166

0.0000

257.4362, 0.2877,
0.3174

■ 31.5653, 0.2632,
0.3050

■ 31.5653, 0.2632,
0.3050

■ 28.9662, 0.2496,
0.2965

■ 34.4463, 0.2776,
0.3129

■ 26.6323, 0.2371,
0.2876

■ 37.6176, 0.2926,
0.3202

■ 24.5505, 0.2261,
0.2783

■ 41.0918, 0.3077,
0.3269

■ 22.7047, 0.2168,
0.2688

■ 44.8795, 0.3228,
0.3330

■ 21.0769, 0.2094,
0.2592

■ 48.9907, 0.3376,
0.3384

■ 19.6453, 0.2039,
0.2497

■ 53.4350, 0.3521,
0.3432

■ 18.7668, 0.2010,
0.2434

■ 58.2216, 0.3660,
0.3474

■ 63.3230, 0.3792,
0.3511

■ 65.3663, 0.3777,
0.3557

Harmonies

Analogous

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



31.5653, 0.2709, 0.3279



31.5653, 0.2632, 0.3050



31.5653, 0.2680, 0.2899

Triad

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



31.5653, 0.2632, 0.3050



31.5653, 0.3354, 0.3070



31.5653, 0.3403, 0.3756

Complementary

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



31.5653, 0.2632, 0.3050



26.4844, 0.3812, 0.3516

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.



31.5653, 0.3589, 0.3674



31.5653, 0.2632, 0.3050



31.5653, 0.3562, 0.3277

Square

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



31.5653, 0.2632, 0.3050



31.5653, 0.3089, 0.2918



31.5653, 0.3649, 0.3496



31.5653, 0.3148, 0.3704

Rectangle

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



31.5653, 0.2632, 0.3050



31.5653, 0.2778, 0.2857



31.5653, 0.3649, 0.3496



31.5653, 0.3476, 0.3742

Sweetspot

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



31.5665, 0.2632, 0.3050



70.1764, 0.2973, 0.3224



35.6014, 0.2974, 0.4010



15.4088, 0.2952, 0.3215



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.



31.5665, 0.2632, 0.3050



53.7423, 0.2530, 0.2988



22.8677, 0.2572, 0.2569



8.7166, 0.2986, 0.3230



13.7154, 0.2013, 0.2445



0.4633, 0.2092, 0.2730

Inverse Universe

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



23.9923, 0.3336, 0.2672



38.3149, 0.3396, 0.2535



35.2200, 0.3681, 0.3918



8.1122, 0.3175, 0.3123



7.6876, 0.3978, 0.1965



0.2221, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 31.5653, 0.2632, 0.3050 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 31.5653, 0.2632, 0.3050 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

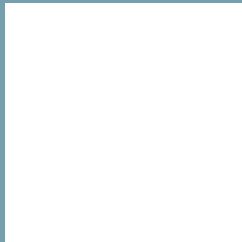
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5653, 0.2632, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 31.5653, 0.2632, 0.3050.



This preview shows how white text looks on a background with the Yxy color 31.5653, 0.2632, 0.3050.

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

31.5653, 0.2632, 0.3050

Protanopia

31.4818, 0.2954, 0.3019

Deuteranopia

31.2830, 0.2940, 0.2879



Tritanopia

31.4878, 0.2646, 0.3080

Trichromacy



Original Color

31.5653, 0.2632, 0.3050

Protanomaly

31.4548, 0.2829, 0.3028

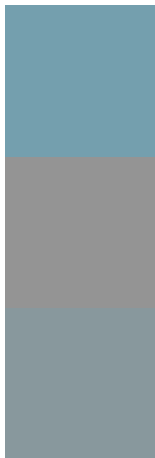
Deuteranomaly

31.2143, 0.2821, 0.2940

Tritanomaly

31.5264, 0.2639, 0.3065

Monochromacy



Original Color

31.5653, 0.2632, 0.3050

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1250, 0.2926, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5653, 0.2632, 0.3050 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(116, 159, 174)` looks like.

```
.text, #text, p{  
    color:rgb(116, 159, 174)  
}
```

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(116, 159, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 159, 174) }
```

Border

The CSS property to change the border of an element to Yxy 31.5653, 0.2632, 0.3050 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(116, 159, 174) }
```

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

```
.border{ border-color:rgb(116, 159, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 159, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 159, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 159, 174);  
box-shadow:4px 4px 4px 4px rgb(116, 159,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5653, 0.2632, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 159, 174) }
```

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

```
.background{ background-color: rgb(116,  
159, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor