

Converting Colors

$Y_{xy}(31.5869, 0.2615, 0.3311)$

Have a look what the booklet for
Yxy(31.5869, 0.2615, 0.3311)
contains.

Yxy(31.5697, 0.2616, 0.3305)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.5697, 0.2616, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	65A3A2
RGB	101, 163, 162
RGB Percent	40%, 64%, 64%
CMY	0.6038, 0.3608, 0.3647
CMYK	0.38, 0.00, 0.01, 0.36
HSL	179°, 25%, 52%
HSV	179°, 38%, 64%
XYZ	24.9883, 31.5697, 38.9630
YIQ	144.3480, -36.6310, -13.4550

Conversions

Conversions Part 2

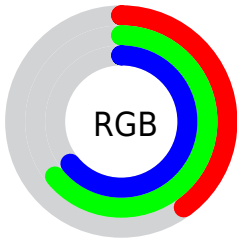
Format	Color
RYB	101, 132, 163
Decimal	6661026
CIELab	62.99, -20.15, -5.81
CIElCh	63, 20.967, 196.084
Yxy	31.5697, 0.2616, 0.3305
Android (android.graphics.Color)	4284851106 (0xFF65A3A2)
YUV	144.3480, 8.7024, -38.0162
Hunter-Lab	56.1869, -18.9419, -1.7840

Details

The Yxy color **31.5697, 0.2616, 0.3305** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0587, 0.4021, 0.3277**, and the grayscale version is **28.0159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1211, 0.2716, 0.3301**, and **13.1230, 0.2453, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **30.7120, 0.2513, 0.3310**, and if you desaturate by 10%, it is **32.6165, 0.2735, 0.3301**.

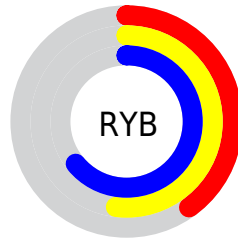
Distribution



Red (40%)

Green (64%)

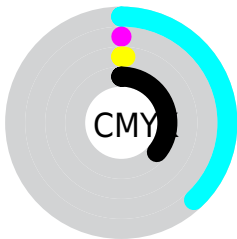
Blue (64%)



Red (40%)

Yellow (52%)

Blue (64%)

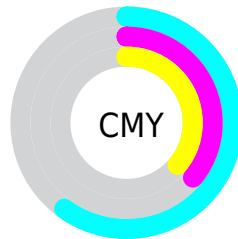


Cyan (38%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (60%)


Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5697, 0.2616, 0.3305 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 31.5697, 0.2616, 0.3305 by changing the saturation by 10% instead.

 31.5697, 0.2616,
0.3305


 31.5697, 0.2616,
0.3305


309.1544, 0.2885,
0.3301


 21.0330, 0.2545,
0.3304


 62.1359, 0.2717,
0.3305


 13.1482, 0.2450,
0.3302


 82.9342, 0.2754,
0.3304

 7.5306, 0.2320,
0.3297


 107.9219, 0.2785,
0.3304

 3.7961, 0.2129,
0.3285

 137.4834, 0.2811,
0.3303

 1.5602, 0.1824,
0.3252

172.0029, 0.2833,
0.3303

 0.3305, 0.0000,
0.3014

211.8650, 0.2853,

 0.0000, 0.0000,

0.3302

0.0000

257.4541, 0.2870,
0.3302

■ 31.5697, 0.2616,
0.3305

■ 31.5697, 0.2616,
0.3305

■ 30.7120, 0.2513,
0.3310

■ 32.6165, 0.2735,
0.3301

■ 30.0286, 0.2427,
0.3314

■ 33.8589, 0.2866,
0.3297

■ 29.5085, 0.2359,
0.3319

■ 35.3076, 0.3008,
0.3293

■ 29.1378, 0.2310,
0.3324

■ 36.9713, 0.3157,
0.3289

■ 28.9005, 0.2279,
0.3329

■ 38.8584, 0.3311,
0.3286

■ 28.7684, 0.2263,
0.3334

■ 40.9768, 0.3467,
0.3284

■ 28.7457, 0.2260,
0.3335

■ 43.3340, 0.3623,
0.3281

■ 45.9371, 0.3776,
0.3279

■ 48.7930, 0.3926,
0.3278

Harmonies

Analogous

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



31.5697, 0.2860, 0.3620



31.5697, 0.2616, 0.3305



31.5697, 0.2506, 0.3006

Triad

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



31.5697, 0.2616, 0.3305



31.5697, 0.3042, 0.2810



31.5697, 0.3730, 0.3755

Complementary

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



31.5697, 0.2616, 0.3305



18.0587, 0.4021, 0.3277

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.



31.5697, 0.3790, 0.3518



31.5697, 0.2616, 0.3305



31.5697, 0.3381, 0.2989

Square

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



31.5697, 0.2616, 0.3305



31.5697, 0.2742, 0.2742



31.5697, 0.3661, 0.3242



31.5697, 0.3504, 0.3882

Rectangle

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



31.5697, 0.2616, 0.3305



31.5697, 0.2519, 0.2859



31.5697, 0.3661, 0.3242



31.5697, 0.3771, 0.3684

Sweetspot

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



31.5709, 0.2616, 0.3305



62.3675, 0.2962, 0.3294



29.9621, 0.3083, 0.4413



13.9316, 0.2944, 0.3294



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.5709, 0.2616, 0.3305



55.1671, 0.2524, 0.3309



22.2001, 0.2533, 0.2760



8.0093, 0.2990, 0.3293



22.3421, 0.2260, 0.3335



0.4700, 0.2255, 0.3316

Inverse Universe

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



18.0587, 0.4021, 0.3277



27.3028, 0.4347, 0.3274



24.9537, 0.3856, 0.3763



7.0877, 0.3282, 0.3287



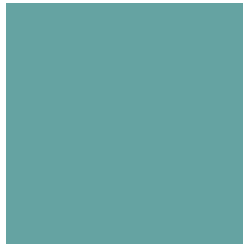
6.0567, 0.6378, 0.3287



0.1278, 0.6272, 0.3229

Previews

White Background



This preview shows how the Yxy color 31.5697, 0.2616, 0.3305 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 31.5697, 0.2616, 0.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

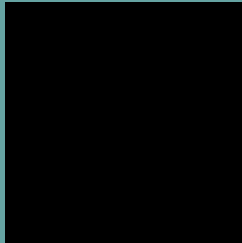
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5697, 0.2616, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 31.5697, 0.2616, 0.3305.

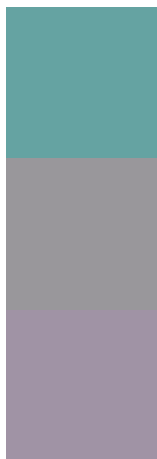


This preview shows how white text looks on a background with the Yxy color 31.5697, 0.2616, 0.3305.

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

31.5697, 0.2616, 0.3305

Protanopia

31.2721, 0.3110, 0.3229

Deuteranopia

31.0576, 0.3089, 0.3024



Tritanopia

31.4888, 0.2550, 0.3077

Trichromacy



Original Color

31.5697, 0.2616, 0.3305

Protanomaly

30.9796, 0.2901, 0.3242

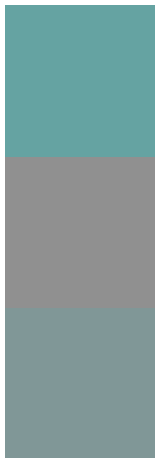
Deuteranomaly

30.9518, 0.2895, 0.3118

Tritanomaly

31.6265, 0.2573, 0.3157

Monochromacy



Original Color

31.5697, 0.2616, 0.3305

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9568, 0.2903, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5697, 0.2616, 0.3305 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(101, 163, 162)` looks like.

```
.text, #text, p{  
    color:rgb(101, 163, 162)  
}
```

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(101, 163, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 163, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.5697, 0.2616, 0.3305 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(101, 163, 162) }
```

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

```
.border{ border-color:rgb(101, 163, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 163, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 163, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 163, 162);  
box-shadow:4px 4px 4px 4px rgb(101, 163,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5697, 0.2616, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 163, 162) }
```

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

```
.background{ background-color: rgb(101,  
163, 162) }
```

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