

Converting Colors

$Y_{xy}(30.2620, 0.2630, 0.3319)$

Have a look what the booklet for
Yxy(30.2620, 0.2630, 0.3319)
contains.

Yxy(30.3196, 0.2630, 0.3323)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3196, 0.2630, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	64A09E
RGB	100, 160, 158
RGB Percent	39%, 63%, 62%
CMY	0.6078, 0.3725, 0.3805
CMYK	0.37, 0.00, 0.01, 0.37
HSL	178°, 24%, 51%
HSV	178°, 37%, 63%
XYZ	23.9966, 30.3196, 36.9255
YIQ	141.8320, -35.1180, -13.3420

Conversions

Conversions Part 2

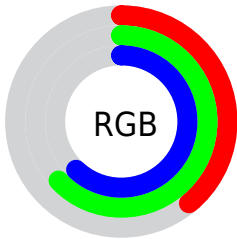
Format	Color
RYB	100, 131, 160
Decimal	6594718
CIELab	61.93, -19.89, -5.11
CIELCh	62, 20.533, 194.414
Yxy	30.3196, 0.2630, 0.3323
Android (android.graphics.Color)	4284784798 (0xFF64A09E)
YUV	141.8320, 7.9708, -36.6867
Hunter-Lab	55.0632, -18.5704, -1.2157

Details

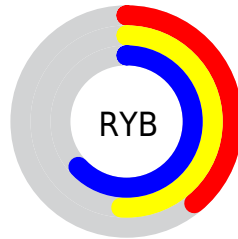
The Yxy color **30.3196, 0.2630, 0.3323** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5491, 0.3985, 0.3260**, and the grayscale version is **26.9591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2750, 0.2729, 0.3314**, and **12.4150, 0.2465, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **29.4777, 0.2527, 0.3333**, and if you desaturate by 10%, it is **31.3432, 0.2748, 0.3313**.

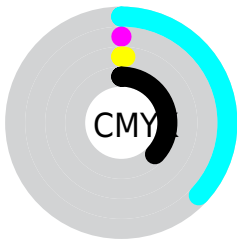
Distribution



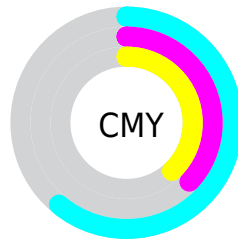
- Red (39%)
- Green (63%)
- Blue (62%)



- Red (39%)
- Yellow (51%)
- Blue (63%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (37%)





- Cyan (61%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3196, 0.2630, 0.3323 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 30.3196, 0.2630, 0.3323 by changing the saturation by 10% instead.

 30.3196, 0.2630,
0.3323

 30.3196, 0.2630,
0.3323


303.3914, 0.2893,
0.3309

 20.0813, 0.2559,
0.3325


 60.1672, 0.2729,
0.3319


 12.4542, 0.2465,
0.3327


 80.5454, 0.2765,
0.3317

 7.0538, 0.2335,
0.3328


 105.0722, 0.2796,
0.3315

 3.4958, 0.2141,
0.3324

 134.1322, 0.2821,
0.3314

 1.3957, 0.1823,
0.3306

168.1097, 0.2843,
0.3313

 0.2136, 0.0000,
0.2658

207.3892, 0.2862,

 0.0000, 0.0000,

0.3311

0.0000

252.3549, 0.2879,
0.3310

■ 30.3196, 0.2630,
0.3323

■ 30.3196, 0.2630,
0.3323

■ 29.4777, 0.2527,
0.3333

■ 31.3432, 0.2748,
0.3313

■ 28.8033, 0.2442,
0.3344

■ 32.5546, 0.2878,
0.3304

■ 28.2859, 0.2374,
0.3355


■ 33.9638, 0.3018,
0.3296


■ 27.9126, 0.2325,
0.3365

■ 35.5795, 0.3164,
0.3288

■ 27.6680, 0.2294,
0.3376

■ 37.4094, 0.3316,
0.3281

 27.5269, 0.2278,
0.3387

 39.4610, 0.3469,
0.3275

 27.4966, 0.2275,
0.3390

 41.7416, 0.3621,
0.3270

 44.2580, 0.3771,
0.3265

 47.0166, 0.3918,
0.3261

Harmonies

Analogous

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



30.3196, 0.2878, 0.3633



30.3196, 0.2630, 0.3323



30.3196, 0.2513, 0.3023

Triad

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



30.3196, 0.2630, 0.3323



30.3196, 0.3024, 0.2806



30.3196, 0.3733, 0.3741

Complementary

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



30.3196, 0.2630, 0.3323



17.5491, 0.3985, 0.3260

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.



30.3196, 0.3783, 0.3501



30.3196, 0.2630, 0.3323



30.3196, 0.3361, 0.2979

Square

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



30.3196, 0.2630, 0.3323



30.3196, 0.2731, 0.2746



30.3196, 0.3645, 0.3227



30.3196, 0.3517, 0.3874

Rectangle

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



30.3196, 0.2630, 0.3323



30.3196, 0.2520, 0.2873



30.3196, 0.3645, 0.3227



30.3196, 0.3771, 0.3669

Sweetspot

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



30.3208, 0.2630, 0.3323



60.6715, 0.2965, 0.3299



28.9473, 0.3102, 0.4387



13.2351, 0.2947, 0.3300



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.3208, 0.2630, 0.3323



53.7477, 0.2543, 0.3332



22.0241, 0.2547, 0.2807



7.5056, 0.2993, 0.3297



21.4193, 0.2275, 0.3389



0.3841, 0.2263, 0.3345

Inverse Universe

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



17.5491, 0.3985, 0.3260



27.1448, 0.4283, 0.3254



23.5742, 0.3854, 0.3725



6.6496, 0.3279, 0.3283



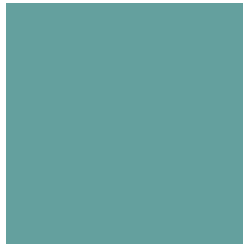
5.8324, 0.6352, 0.3273



0.1052, 0.6124, 0.3147

Previews

White Background



This preview shows how the Yxy color 30.3196, 0.2630, 0.3323 looks on a white background.

Color Contrast Check

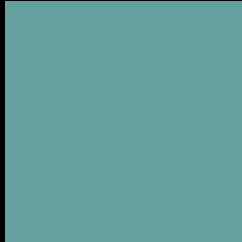
Large Text (above 18pt) WCAG AA × Fail

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 30.3196, 0.2630, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

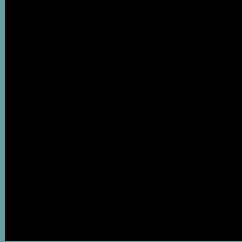
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3196, 0.2630, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 30.3196, 0.2630, 0.3323.

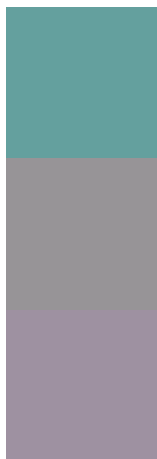


This preview shows how white text looks on a background with the Yxy color 30.3196, 0.2630, 0.3323.

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

30.3196, 0.2630, 0.3323

Protanopia

29.9935, 0.3129, 0.3243

Deuteranopia

30.0931, 0.3107, 0.3050



Tritanopia

30.2776, 0.2556, 0.3074

Trichromacy



Original Color

30.3196, 0.2630, 0.3323

Protanomaly

29.6951, 0.2915, 0.3257

Deuteranomaly

29.6691, 0.2909, 0.3131

Tritanomaly

30.3742, 0.2585, 0.3172

Monochromacy



Original Color

30.3196, 0.2630, 0.3323

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.1450, 0.2918, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3196, 0.2630, 0.3323 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(100, 160, 158)` looks like.

```
.text, #text, p{  
    color:rgb(100, 160, 158)  
}
```

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(100, 160, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 160, 158) }
```

Border

The CSS property to change the border of an element to Yxy 30.3196, 0.2630, 0.3323 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(100, 160, 158) }
```

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

```
.border{ border-color:rgb(100, 160, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 160, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 160, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 160, 158);  
box-shadow:4px 4px 4px 4px rgb(100, 160,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3196, 0.2630, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 160, 158) }
```

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

```
.background{ background-color: rgb(100,  
160, 158) }
```

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