

Converting Colors

$Y_{xy}(27.8762, 0.2531, 0.3303)$

Have a look what the booklet for
Yxy(27.8762, 0.2531, 0.3303)
contains.

Yxy(28.0283, 0.2531, 0.3306)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.0283, 0.2531, 0.3306)$

Conversions

Conversions Part 1

Format	Color
Hex	549C9B
RGB	84, 156, 155
RGB Percent	33%, 61%, 61%
CMY	0.6708, 0.3882, 0.3921
CMYK	0.46, 0.00, 0.01, 0.39
HSL	179°, 30%, 47%
HSV	179°, 46%, 61%
XYZ	21.4578, 28.0283, 35.2940
YIQ	134.3580, -42.5910, -15.5750

Conversions

Conversions Part 2

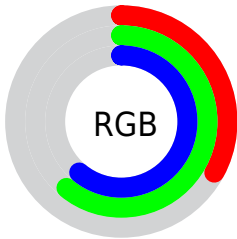
Format	Color
R_{YB}	84, 120, 156
Decimal	5545115
CIE _{Lab}	59.91, -22.76, -6.50
CIE _{LCh}	60, 23.674, 195.935
Yxy	28.0283, 0.2531, 0.3306
Android (android.graphics.Color)	4283735195 (0xFF549C9B)
YUV	134.3580, 10.1765, -44.1640
Hunter-Lab	52.9418, -20.3002, -2.4668

Details

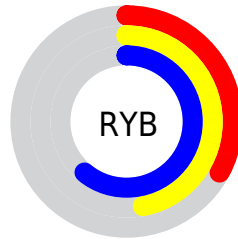
The Yxy color **28.0283, 0.2531, 0.3306** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.0560, 0.4317, 0.3277**, and the grayscale version is **23.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5953, 0.2652, 0.3315**, and **11.1197, 0.2328, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **27.3812, 0.2442, 0.3310**, and if you desaturate by 10%, it is **28.8379, 0.2637, 0.3302**.

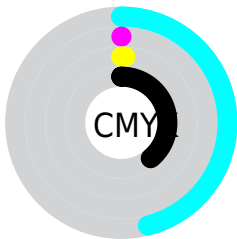
Distribution



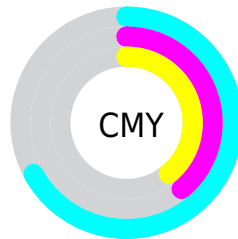
- Red (33%)
- Green (61%)
- Blue (61%)



- Red (33%)
- Yellow (47%)
- Blue (61%)



- Cyan (46%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)





- Cyan (67%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0283, 0.2531, 0.3306 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 28.0283, 0.2531, 0.3306 by changing the saturation by 10% instead.


 28.0283, 0.2531,
0.3306


 28.0283, 0.2531,
0.3306


292.6021, 0.2849,
0.3303

 18.3470, 0.2445,
0.3304


 56.5296, 0.2652,
0.3307


 11.1994, 0.2329,
0.3300


 76.1184, 0.2695,
0.3306

 6.2011, 0.2168,
0.3291

 99.7785, 0.2732,
0.3306

 2.9678, 0.1928,
0.3269

 127.8943, 0.2763,
0.3305

 1.1149, 0.1423,
0.3253

160.8501, 0.2789,
0.3305

 0.0000, 0.0000,
0.0000

199.0305, 0.2812,

0.3304

242.8197, 0.2832,
0.3304

■ 28.0283, 0.2531,
0.3306

■ 28.0283, 0.2531,
0.3306

■ 27.3812, 0.2442,
0.3310

■ 28.8379, 0.2637,
0.3302

■ 26.8826, 0.2370,
0.3314

■ 29.8165, 0.2758,
0.3298

■ 26.5213, 0.2318,
0.3319


■ 30.9741, 0.2892,
0.3295

■ 26.2836, 0.2283,
0.3323

■ 32.3193, 0.3035,
0.3292

■ 26.1493, 0.2264,
0.3327


■ 33.8597, 0.3185,
0.3289

 26.1082, 0.2258,
0.3329

 35.6028, 0.3339,
0.3286

 37.5557, 0.3495,
0.3284

 39.7249, 0.3650,
0.3282

 42.1169, 0.3803,
0.3281

Harmonies

Analogous

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



28.0283, 0.2814, 0.3683



28.0283, 0.2531, 0.3306



28.0283, 0.2405, 0.2954

Triad

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



28.0283, 0.2531, 0.3306



28.0283, 0.3023, 0.2732



28.0283, 0.3834, 0.3829

Complementary

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



28.0283, 0.2531, 0.3306



14.0560, 0.4317, 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.



28.0283, 0.3908, 0.3548



28.0283, 0.2531, 0.3306



28.0283, 0.3423, 0.2938

Square

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



28.0283, 0.2531, 0.3306



28.0283, 0.2675, 0.2653



28.0283, 0.3755, 0.3228



28.0283, 0.3567, 0.3986

Rectangle

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



28.0283, 0.2531, 0.3306



28.0283, 0.2419, 0.2785



28.0283, 0.3755, 0.3228



28.0283, 0.3883, 0.3744

Sweetspot

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



28.0294, 0.2531, 0.3306



56.6914, 0.2918, 0.3294



26.3575, 0.3071, 0.4693



12.3727, 0.2890, 0.3295



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.0294, 0.2531, 0.3306



49.7362, 0.2442, 0.3310



18.0010, 0.2408, 0.2625



7.5079, 0.2990, 0.3293



21.5027, 0.2258, 0.3329



0.3849, 0.2253, 0.3311

Inverse Universe

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



14.0560, 0.4317, 0.3277



21.2537, 0.4732, 0.3276



20.8486, 0.4054, 0.3863



6.6476, 0.3282, 0.3287



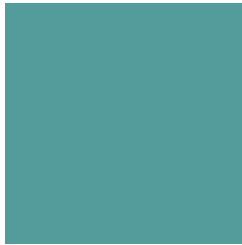
5.8261, 0.6381, 0.3289



0.1046, 0.6283, 0.3235

Previews

White Background



This preview shows how the Yxy color 28.0283, 0.2531, 0.3306 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 28.0283, 0.2531, 0.3306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

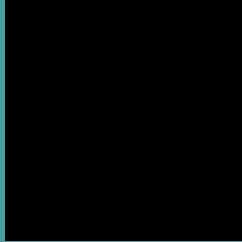
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0283, 0.2531, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 28.0283, 0.2531, 0.3306.

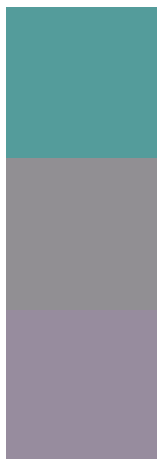


This preview shows how white text looks on a background with the Yxy color 28.0283, 0.2531, 0.3306.

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

28.0283, 0.2531, 0.3306

Protanopia

27.7712, 0.3109, 0.3226

Deuteranopia

27.8041, 0.3066, 0.3011



Tritanopia

27.9759, 0.2470, 0.3064

Trichromacy



Original Color

28.0283, 0.2531, 0.3306

Protanomaly

27.5928, 0.2863, 0.3256

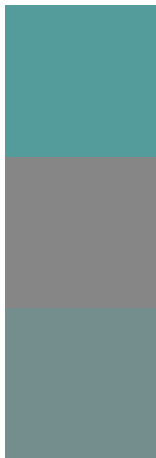
Deuteranomaly

27.5041, 0.2838, 0.3108

Tritanomaly

28.1133, 0.2494, 0.3149

Monochromacy



Original Color

28.0283, 0.2531, 0.3306

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0120, 0.2861, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0283, 0.2531, 0.3306 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(84, 156, 155)` looks like.

```
.text, #text, p{  
    color:rgb(84, 156, 155)  
}
```

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(84, 156, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 156, 155) }
```

Border

The CSS property to change the border of an element to Yxy 28.0283, 0.2531, 0.3306 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(84, 156, 155) }
```

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

```
.border{ border-color:rgb(84, 156, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 156, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 156, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 156, 155); box-shadow:4px 4px 4px 4px rgb(84, 156, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0283, 0.2531, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 156, 155) }
```

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

```
.background{ background-color: rgb(84, 156,  
155) }
```

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