

Converting Colors

$Y_{xy}(28.6736, 0.2593, 0.3242)$

Have a look what the booklet for
Yxy(28.6736, 0.2593, 0.3242)
contains.

Yxy(28.7869, 0.2599, 0.3254)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.7869, 0.2599, 0.3254)$

Conversions

Conversions Part 1

Format	Color
Hex	619C9E
RGB	97, 156, 158
RGB Percent	38%, 61%, 62%
CMY	0.6194, 0.3882, 0.3804
CMYK	0.39, 0.01, 0.00, 0.38
HSL	182°, 24%, 50%
HSV	182°, 39%, 62%
XYZ	22.9924, 28.7869, 36.6869
YIQ	138.5870, -35.8060, -11.8860

Conversions

Conversions Part 2

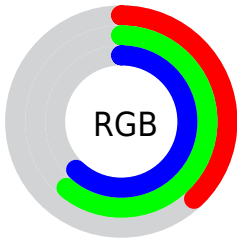
Format	Color
R_{YB}	97, 127, 158
Decimal	6397086
CIE _{Lab}	60.59, -18.60, -7.11
CIE _{LCh}	61, 19.913, 200.930
Yxy	28.7869, 0.2599, 0.3254
Android (android.graphics.Color)	4284587166 (0xFF619C9E)
YUV	138.5870, 9.5706, -36.4718
Hunter-Lab	53.6534, -17.4000, -2.9837

Details

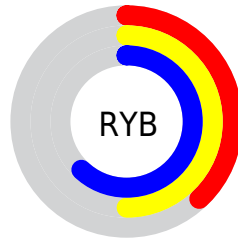
The Yxy color **28.7869, 0.2599, 0.3254** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0628, 0.4039, 0.3326**, and the grayscale version is **25.6287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9719, 0.2706, 0.3263**, and **11.7002, 0.2419, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **27.8314, 0.2492, 0.3244**, and if you desaturate by 10%, it is **29.9183, 0.2721, 0.3264**.

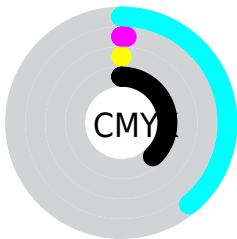
Distribution



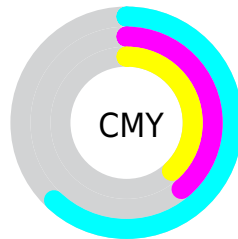
- Red (38%)
- Green (61%)
- Blue (62%)



- Red (38%)
- Yellow (50%)
- Blue (62%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)





- Cyan (62%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7869, 0.2599, 0.3254 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 28.7869, 0.2599, 0.3254 by changing the saturation by 10% instead.


 28.7869, 0.2599,
0.3254


 28.7869, 0.2599,
0.3254


296.2082, 0.2880,
0.3278

 18.9197, 0.2523,
0.3245


 57.7383, 0.2705,
0.3265


 11.6123, 0.2422,
0.3232


 77.5913, 0.2744,
0.3268

 6.4802, 0.2280,
0.3211


 101.5417, 0.2776,
0.3271

 3.1392, 0.2069,
0.3172

 129.9739, 0.2803,
0.3273

 1.2048, 0.1699,
0.3099

163.2722, 0.2827,
0.3275

 0.0657, 0.0000,
0.1035

201.8211, 0.2847,

 0.0000, 0.0000,

0.3276

0.0000

246.0050, 0.2865,
0.3277

■ 28.7869, 0.2599,
0.3254

■ 28.7869, 0.2599,
0.3254

■ 27.8314, 0.2492,
0.3244

■ 29.9183, 0.2721,
0.3264

■ 27.0381, 0.2403,
0.3233

■ 31.2315, 0.2855,
0.3274

■ 26.3967, 0.2331,
0.3222

■ 32.7367, 0.2998,
0.3283

■ 25.8942, 0.2278,
0.3211

■ 34.4419, 0.3149,
0.3291

■ 25.5157, 0.2243,
0.3201

■ 36.3549, 0.3304,
0.3299

■ 25.2319, 0.2222,
0.3190

■ 38.4829, 0.3460,
0.3306

■ 25.1933, 0.2219,
0.3189

■ 40.8331, 0.3616,
0.3312

■ 43.4120, 0.3770,
0.3317

■ 46.2260, 0.3919,
0.3322

Harmonies

Analogous

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



28.7869, 0.2820, 0.3567



28.7869, 0.2599, 0.3254



28.7869, 0.2515, 0.2973

Triad

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



28.7869, 0.2599, 0.3254



28.7869, 0.3098, 0.2841



28.7869, 0.3691, 0.3775

Complementary

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



28.7869, 0.2599, 0.3254



17.0628, 0.4039, 0.3326

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.



28.7869, 0.3780, 0.3556



28.7869, 0.2599, 0.3254



28.7869, 0.3427, 0.3031

Square

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



28.7869, 0.2599, 0.3254



28.7869, 0.2791, 0.2755



28.7869, 0.3682, 0.3287



28.7869, 0.3450, 0.3875

Rectangle

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



28.7869, 0.2599, 0.3254



28.7869, 0.2544, 0.2842



28.7869, 0.3682, 0.3287



28.7869, 0.3740, 0.3712

Sweetspot

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



28.7880, 0.2599, 0.3254



58.4168, 0.2945, 0.3280



27.8769, 0.3066, 0.4413



13.0950, 0.2927, 0.3278



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.



28.7880, 0.2599, 0.3254



50.8194, 0.2509, 0.3245



20.0625, 0.2520, 0.2714



7.4723, 0.2988, 0.3282



20.1919, 0.2219, 0.3190



0.3714, 0.2231, 0.3232

Inverse Universe

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



18.2261, 0.3195, 0.2389



29.0201, 0.3211, 0.2209



23.7097, 0.3855, 0.3800



6.7508, 0.3142, 0.3077



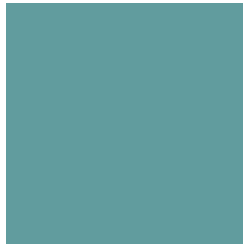
7.6606, 0.3291, 0.1586



0.1380, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 28.7869, 0.2599, 0.3254 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 28.7869, 0.2599, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

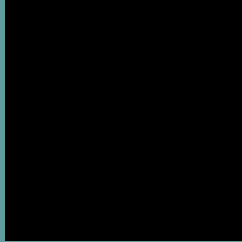
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7869, 0.2599, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 28.7869, 0.2599, 0.3254.

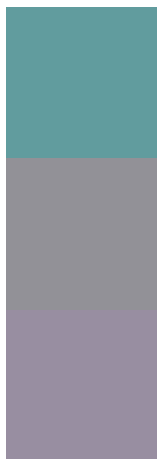


This preview shows how white text looks on a background with the Yxy color 28.7869, 0.2599, 0.3254.

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

28.7869, 0.2599, 0.3254

Protanopia

28.5962, 0.3080, 0.3195

Deuteranopia

28.5946, 0.3047, 0.2999



Tritanopia

28.8854, 0.2547, 0.3086

Trichromacy



Original Color

28.7869, 0.2599, 0.3254

Protanomaly

28.4172, 0.2876, 0.3207

Deuteranomaly

28.3110, 0.2860, 0.3079

Tritanomaly

28.7197, 0.2561, 0.3135

Monochromacy



Original Color

28.7869, 0.2599, 0.3254

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6112, 0.2905, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7869, 0.2599, 0.3254 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(97, 156, 158)` looks like.

```
.text, #text, p{  
  color:rgb(97, 156, 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(97, 156, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 156, 158) }
```

Border

The CSS property to change the border of an element to Yxy 28.7869, 0.2599, 0.3254 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(97, 156, 158) }
```

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

```
.border{ border-color:rgb(97, 156, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 156, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 156, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 156, 158);  
box-shadow:4px 4px 4px 4px rgb(97, 156,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7869, 0.2599, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 156, 158) }
```

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

```
.background{ background-color: rgb(97, 156,  
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