

Converting Colors

$Y_{xy}(29.1044, 0.2477, 0.3118)$

Have a look what the booklet for
Yxy(29.1044, 0.2477, 0.3118)
contains.

Yxy(28.9787, 0.2480, 0.3117)	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(28.9787, 0.2480, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	589DA7
RGB	88, 157, 167
RGB Percent	35%, 62%, 65%
CMY	0.6549, 0.3843, 0.3451
CMYK	0.47, 0.06, 0.00, 0.35
HSL	188°, 31%, 50%
HSV	188°, 47%, 65%
XYZ	23.0565, 28.9787, 40.9346
YIQ	137.5090, -44.3340, -11.5180

Conversions

Conversions Part 2

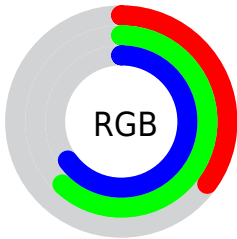
Format	Color
R_{YB}	88, 125, 167
Decimal	5807527
CIE _{Lab}	60.76, -19.04, -12.00
CIE _{LCh}	61, 22.506, 212.213
Yxy	28.9787, 0.2480, 0.3117
Android (android.graphics.Color)	4283997607 (0xFF589DA7)
YUV	137.5090, 14.5391, -43.4194
Hunter-Lab	53.8319, -17.7531, -7.4028

Details

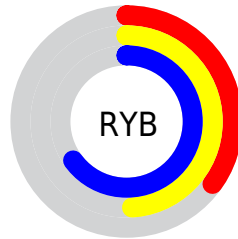
The Yxy color **28.9787, 0.2480, 0.3117** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.6555, 0.4310, 0.3448**, and the grayscale version is **25.1767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2005, 0.2611, 0.3162**, and **11.6170, 0.2267, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **27.5472, 0.2377, 0.3075**, and if you desaturate by 10%, it is **30.6114, 0.2598, 0.3158**.

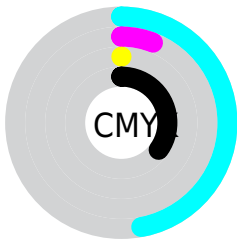
Distribution



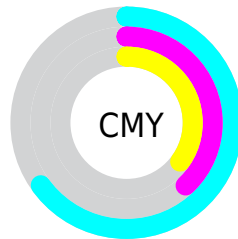
- Red (35%)
- Green (62%)
- Blue (65%)



- Red (35%)
- Yellow (49%)
- Blue (65%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9787, 0.2480, 0.3117 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 28.9787, 0.2480, 0.3117 by changing the saturation by 10% instead.


 28.9787, 0.2480,
0.3117


 28.9787, 0.2480,
0.3117


297.1144, 0.2822,
0.3218

 19.0647, 0.2389,
0.3086


 58.0432, 0.2608,
0.3157

 11.7170, 0.2269,
0.3043


 77.9626, 0.2655,
0.3171

 6.5513, 0.2103,
0.2979


 101.9858, 0.2695,
0.3183

 3.1831, 0.1861,
0.2875

 130.4974, 0.2728,
0.3192

 1.2281, 0.1461,
0.2687

163.8816, 0.2756,
0.3200

 0.0844, 0.0000,
0.0832

202.5229, 0.2781,

 0.0000, 0.0000,

0.3207

0.0000

246.8058, 0.2803,
0.3213

■ 28.9787, 0.2480,
0.3117

■ 28.9787, 0.2480,
0.3117

■ 27.5472, 0.2377,
0.3075

■ 30.6114, 0.2598,
0.3158

■ 26.3007, 0.2292,
0.3031

■ 32.4538, 0.2729,
0.3197

■ 25.2256, 0.2224,
0.2987

■ 34.5178, 0.2869,
0.3233

■ 24.3049, 0.2176,
0.2944

■ 36.8135, 0.3017,
0.3267

■ 23.5124, 0.2144,
0.2900

■ 39.3501, 0.3168,
0.3298

■ 23.3070, 0.2136,
0.2889

■ 42.1366, 0.3321,
0.3326

■ 45.1813, 0.3474,
0.3351

■ 48.4923, 0.3624,
0.3373

■ 52.0771, 0.3770,
0.3393

Harmonies

Analogous

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



28.9787, 0.2672, 0.3472



28.9787, 0.2480, 0.3117



28.9787, 0.2451, 0.2840

Triad

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



28.9787, 0.2480, 0.3117



28.9787, 0.3235, 0.2856



28.9787, 0.3675, 0.3897

Complementary

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



28.9787, 0.2480, 0.3117



17.6555, 0.4310, 0.3448

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.



28.9787, 0.3850, 0.3688



28.9787, 0.2480, 0.3117



28.9787, 0.3590, 0.3101

Square

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



28.9787, 0.2480, 0.3117



28.9787, 0.2868, 0.2712



28.9787, 0.3820, 0.3398



28.9787, 0.3357, 0.3946

Rectangle

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



28.9787, 0.2480, 0.3117



28.9787, 0.2525, 0.2731



28.9787, 0.3820, 0.3398



28.9787, 0.3753, 0.3842

Sweetspot

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



28.9798, 0.2480, 0.3117



63.0304, 0.2914, 0.3244



30.5781, 0.2996, 0.4577



13.9191, 0.2883, 0.3237



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.9798, 0.2480, 0.3117



49.1636, 0.2370, 0.3071



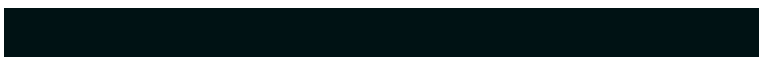
17.8897, 0.2351, 0.2402



8.3677, 0.2987, 0.3261



17.8853, 0.2137, 0.2893



0.4787, 0.2177, 0.3036

Inverse Universe

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



17.6304, 0.3309, 0.2287



26.8004, 0.3360, 0.2093



26.7308, 0.4011, 0.4030



7.6500, 0.3156, 0.3095



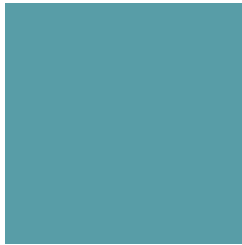
7.8766, 0.3550, 0.1729



0.1960, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 28.9787, 0.2480, 0.3117 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 28.9787, 0.2480, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

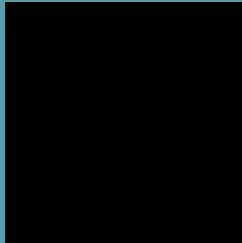
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9787, 0.2480, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 28.9787, 0.2480, 0.3117.



This preview shows how white text looks on a background with the Yxy color 28.9787, 0.2480, 0.3117.

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

28.9787, 0.2480, 0.3117

Protanopia

28.6833, 0.2984, 0.3070

Deuteranopia

28.5442, 0.2923, 0.2863



Tritanopia

29.1024, 0.2473, 0.3084

Trichromacy



Original Color

28.9787, 0.2480, 0.3117

Protanomaly

28.3886, 0.2772, 0.3076

Deuteranomaly

28.1676, 0.2730, 0.2935

Tritanomaly

29.0649, 0.2480, 0.3101

Monochromacy



Original Color

28.9787, 0.2480, 0.3117

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4138, 0.2840, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9787, 0.2480, 0.3117 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(88, 157, 167)` looks like.

```
.text, #text, p{  
    color:rgb(88, 157, 167)  
}
```

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(88, 157, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 157, 167) }
```

Border

The CSS property to change the border of an element to Yxy 28.9787, 0.2480, 0.3117 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(88, 157, 167) }
```

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

```
.border{ border-color:rgb(88, 157, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 157, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 157, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 157, 167);  
box-shadow:4px 4px 4px 4px rgb(88, 157,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9787, 0.2480, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 157, 167) }
```

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

```
.background{ background-color: rgb(88, 157,  
167) }
```

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