

Converting Colors

$Y_{xy}(28.8109, 0.2711, 0.3501)$

Have a look what the booklet for
Yxy(28.8109, 0.2711, 0.3501)
contains.

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Color

Yxy(28.8109, 0.2711, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	639D91
RGB	99, 157, 145
RGB Percent	39%, 62%, 57%
CMY	0.6119, 0.3843, 0.4314
CMYK	0.37, 0.00, 0.08, 0.38
HSL	168°, 23%, 50%
HSV	168°, 37%, 62%
XYZ	22.3097, 28.8109, 31.1727
YIQ	138.2900, -30.7160, -16.0280

Conversions

Conversions Part 2

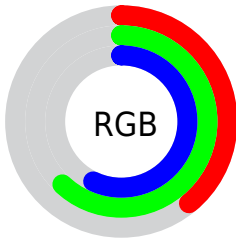
Format	Color
R_{YB}	99, 131, 157
Decimal	6528401
CIE _{Lab}	60.61, -21.81, 0.28
CIE _{LCh}	61, 21.807, 179.270
Yxy	28.8109, 0.2711, 0.3501
Android (android.graphics.Color)	4284718481 (0xFF639D91)
YUV	138.2900, 3.3080, -34.4573
Hunter-Lab	53.6758, -19.7411, 3.1398

Details

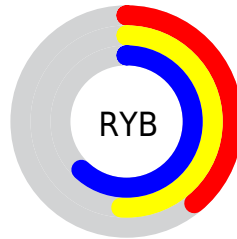
The Yxy color **28.8109, 0.2711, 0.3501** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.2319, 0.3812, 0.3094**, and the grayscale version is **25.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8859, 0.2795, 0.3457**, and **11.5578, 0.2564, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **27.9137, 0.2622, 0.3568**, and if you desaturate by 10%, it is **29.8852, 0.2812, 0.3438**.

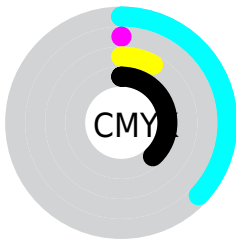
Distribution



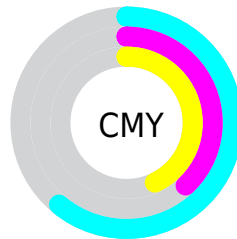
- Red (39%)
- Green (62%)
- Blue (57%)



- Red (39%)
- Yellow (51%)
- Blue (62%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (38%)





- Cyan (61%)
- Magenta (38%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8109, 0.2711, 0.3501 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 28.8109, 0.2711, 0.3501 by changing the saturation by 10% instead.


 28.8109, 0.2711,
0.3501


 28.8109, 0.2711,
0.3501


296.3217, 0.2935,
0.3387

 18.9378, 0.2649,
0.3532


 57.7765, 0.2797,
0.3458

 11.6254, 0.2566,
0.3575


 77.6378, 0.2827,
0.3442

 6.4891, 0.2448,
0.3635


 101.5973, 0.2853,
0.3429

 3.1447, 0.2268,
0.3727

 130.0394, 0.2875,
0.3418

 1.2077, 0.1896,
0.3917

163.3485, 0.2893,
0.3409

 0.0680, 0.0000,
0.5545

201.9090, 0.2909,

 0.0000, 0.0000,

0.3401

0.0000

246.1053, 0.2923,
0.3394

■ 28.8109, 0.2711,
0.3501

■ 28.8109, 0.2711,
0.3501

■ 27.9137, 0.2622,
0.3568

■ 29.8852, 0.2812,
0.3438

■ 27.1801, 0.2548,
0.3639

■ 31.1423, 0.2924,
0.3379

■ 26.6001, 0.2492,
0.3712


■ 32.5920, 0.3042,
0.3325


■ 26.1614, 0.2454,
0.3786

■ 34.2423, 0.3165,
0.3276

■ 25.8495, 0.2434,
0.3860


■ 36.1008, 0.3290,
0.3232

 25.6418, 0.2432,
0.3934

 38.1746, 0.3415,
0.3192

 25.5860, 0.2432,
0.3956

 40.4705, 0.3539,
0.3158

 42.9952, 0.3660,
0.3127

 45.7547, 0.3778,
0.3101

Harmonies

Analogous

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



28.8109, 0.3029, 0.3797



28.8109, 0.2711, 0.3501



28.8109, 0.2510, 0.3155

Triad

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



28.8109, 0.2711, 0.3501



28.8109, 0.2844, 0.2721



28.8109, 0.3835, 0.3652

Complementary

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



28.8109, 0.2711, 0.3501



17.2319, 0.3812, 0.3094

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.



28.8109, 0.3785, 0.3367



28.8109, 0.2711, 0.3501



28.8109, 0.3196, 0.2849

Square

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



28.8109, 0.2711, 0.3501



28.8109, 0.2583, 0.2725



28.8109, 0.3546, 0.3080



28.8109, 0.3684, 0.3866

Rectangle

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



28.8109, 0.2711, 0.3501



28.8109, 0.2461, 0.2955



28.8109, 0.3546, 0.3080



28.8109, 0.3842, 0.3561

Sweetspot

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



28.8121, 0.2711, 0.3501



57.2175, 0.2991, 0.3347



28.4319, 0.3194, 0.4338



12.5195, 0.2976, 0.3354



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.



28.8121, 0.2711, 0.3501



50.3002, 0.2640, 0.3554



24.0059, 0.2581, 0.2995



7.4860, 0.3014, 0.3337



20.7829, 0.2431, 0.3951



0.3771, 0.2349, 0.3655

Inverse Universe

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



17.2319, 0.3812, 0.3094



26.6144, 0.4034, 0.3053



20.4235, 0.3897, 0.3563



6.6675, 0.3253, 0.3244



5.9132, 0.6011, 0.3085



0.1110, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 28.8109, 0.2711, 0.3501 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 28.8109, 0.2711, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

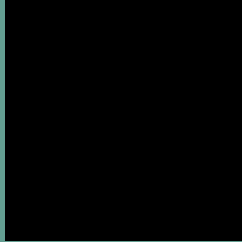
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8109, 0.2711, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 28.8109, 0.2711, 0.3501.

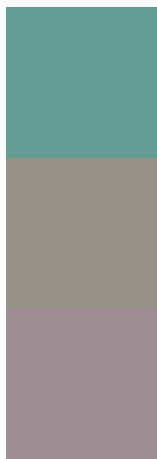


This preview shows how white text looks on a background with the Yxy color 28.8109, 0.2711, 0.3501.

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

28.8109, 0.2711, 0.3501

Protanopia

28.5698, 0.3250, 0.3402

Deuteranopia

28.4570, 0.3240, 0.3183



Tritanopia

28.8074, 0.2588, 0.3087

Trichromacy



Original Color

28.8109, 0.2711, 0.3501

Protanomaly

28.2433, 0.3020, 0.3424

Deuteranomaly

28.2924, 0.3025, 0.3290

Tritanomaly

28.7361, 0.2633, 0.3237

Monochromacy



Original Color

28.8109, 0.2711, 0.3501

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4590, 0.2950, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8109, 0.2711, 0.3501 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(99, 157, 145)` looks like.

```
.text, #text, p{  
    color:rgb(99, 157, 145)  
}
```

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(99, 157, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 157, 145) }
```

Border

The CSS property to change the border of an element to Yxy 28.8109, 0.2711, 0.3501 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(99, 157, 145) }
```

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

```
.border{ border-color:rgb(99, 157, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 157, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 157, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 157, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 157,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8109, 0.2711, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 157, 145) }
```

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

```
.background{ background-color: rgb(99, 157,  
145) }
```

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](#).

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