

Converting Colors

$Y_{xy}(29.2319, 0.2697, 0.3393)$

Have a look what the booklet for
Yxy(29.2319, 0.2697, 0.3393)
contains.

Yxy(29.2319, 0.2697, 0.3393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(29.2319, 0.2697, 0.3393)$

Conversions

Conversions Part 1

Format	Color
Hex	679D97
RGB	103, 157, 151
RGB Percent	40%, 62%, 59%
CMY	0.5960, 0.3843, 0.4079
CMYK	0.34, 0.00, 0.04, 0.38
HSL	173°, 22%, 51%
HSV	173°, 34%, 62%
XYZ	23.2356, 29.2319, 33.6860
YIQ	140.1700, -30.2580, -13.3140

Conversions

Conversions Part 2

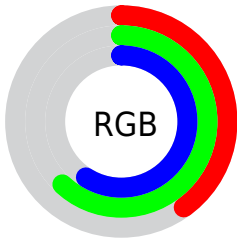
Format	Color
RYB	103, 132, 157
Decimal	6790551
CIELab	60.99, -19.20, -2.53
CIElCh	61, 19.363, 187.518
Yxy	29.2319, 0.2697, 0.3393
Android (android.graphics.Color)	4284980631 (0xFF679D97)
YUV	140.1700, 5.3392, -32.5981
Hunter-Lab	54.0665, -17.9043, 0.9061

Details

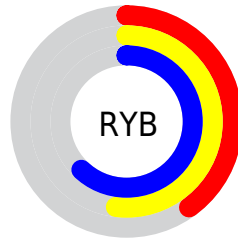
The Yxy color **29.2319, 0.2697, 0.3393** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.9759, 0.3822, 0.3192**, and the grayscale version is **26.2835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5627, 0.2785, 0.3378**, and **11.7533, 0.2550, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **28.3336, 0.2596, 0.3428**, and if you desaturate by 10%, it is **30.3077, 0.2811, 0.3360**.

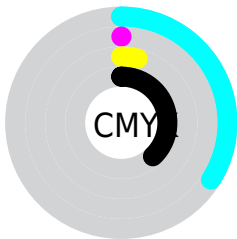
Distribution



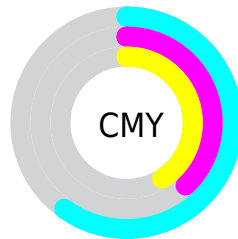
- Red (40%)
- Green (62%)
- Blue (59%)



- Red (40%)
- Yellow (52%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)





- Cyan (60%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2319, 0.2697, 0.3393 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 29.2319, 0.2697, 0.3393 by changing the saturation by 10% instead.


 29.2319, 0.2697,
0.3393


 29.2319, 0.2697,
0.3393


298.3076, 0.2927,
0.3340


 19.2563, 0.2634,
0.3407


 58.4453, 0.2784,
0.3373


 11.8556, 0.2550,
0.3425


 78.4520, 0.2816,
0.3366

 6.6455, 0.2432,
0.3449


 102.5711, 0.2842,
0.3360

 3.2414, 0.2253,
0.3484

 131.1871, 0.2865,
0.3355

 1.2590, 0.1934,
0.3543

164.6843, 0.2884,
0.3350

 0.1091, 0.0000,
0.2694

203.4472, 0.2900,

 0.0000, 0.0000,

0.3346

0.0000

247.8602, 0.2914,
0.3343

■ 29.2319, 0.2697,
0.3393

■ 29.2319, 0.2697,
0.3393

■ 28.3336, 0.2596,
0.3428

■ 30.3077, 0.2811,
0.3360

■ 27.5995, 0.2511,
0.3464

■ 31.5666, 0.2935,
0.3330

■ 27.0201, 0.2443,
0.3501

■ 33.0181, 0.3067,
0.3302

■ 26.5832, 0.2393,
0.3539

■ 34.6701, 0.3205,
0.3276

■ 26.2753, 0.2361,
0.3577

■ 36.5300, 0.3344,
0.3253

■ 26.0793, 0.2347,
0.3615

■ 38.6049, 0.3485,
0.3233

■ 25.9935, 0.2343,
0.3636

■ 40.9014, 0.3624,
0.3215

■ 43.4262, 0.3760,
0.3199

■ 46.1852, 0.3892,
0.3185

Harmonies

Analogous

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



29.2319, 0.2957, 0.3675



29.2319, 0.2697, 0.3393



29.2319, 0.2553, 0.3096

Triad

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



29.2319, 0.2697, 0.3393



29.2319, 0.2958, 0.2803



29.2319, 0.3733, 0.3675

Complementary

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



29.2319, 0.2697, 0.3393



17.9759, 0.3822, 0.3192

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.



29.2319, 0.3738, 0.3434



29.2319, 0.2697, 0.3393



29.2319, 0.3278, 0.2946

Square

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



29.2319, 0.2697, 0.3393



29.2319, 0.2697, 0.2774



29.2319, 0.3569, 0.3172



29.2319, 0.3558, 0.3831

Rectangle

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



29.2319, 0.2697, 0.3393



29.2319, 0.2536, 0.2936



29.2319, 0.3569, 0.3172



29.2319, 0.3755, 0.3601

Sweetspot

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



29.2331, 0.2697, 0.3393



57.5779, 0.2990, 0.3318



28.3656, 0.3139, 0.4270



12.5968, 0.2973, 0.3321



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.



29.2331, 0.2697, 0.3393



51.1296, 0.2621, 0.3419



23.0134, 0.2605, 0.2920



7.4967, 0.3002, 0.3315



21.1137, 0.2343, 0.3633



0.3808, 0.2300, 0.3482

Inverse Universe

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



17.9759, 0.3822, 0.3192



27.9606, 0.4046, 0.3172



22.4901, 0.3797, 0.3630



6.6576, 0.3267, 0.3265



5.8590, 0.6234, 0.3208



0.1078, 0.5592, 0.2854

Previews

White Background



This preview shows how the Yxy color 29.2319, 0.2697, 0.3393 looks on a white background.

Color Contrast Check

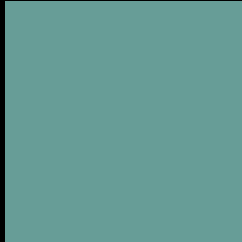
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2319, 0.2697, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

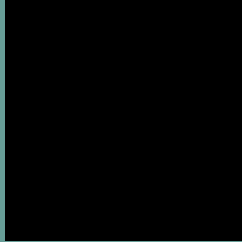
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2319, 0.2697, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 29.2319, 0.2697, 0.3393.



This preview shows how white text looks on a background with the Yxy color 29.2319, 0.2697, 0.3393.

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

29.2319, 0.2697, 0.3393

Protanopia

29.0861, 0.3179, 0.3306

Deuteranopia

28.8472, 0.3168, 0.3107



Tritanopia

29.3585, 0.2605, 0.3089

Trichromacy



Original Color

29.2319, 0.2697, 0.3393

Protanomaly

28.9058, 0.2985, 0.3339

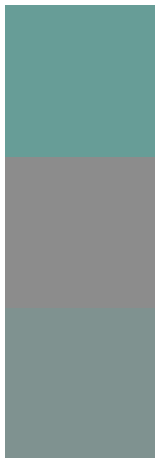
Deuteranomaly

28.4857, 0.2970, 0.3193

Tritanomaly

29.4143, 0.2643, 0.3204

Monochromacy



Original Color

29.2319, 0.2697, 0.3393

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.0834, 0.2953, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2319, 0.2697, 0.3393 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(103, 157, 151)` looks like.

```
.text, #text, p{  
    color:rgb(103, 157, 151)  
}
```

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(103, 157, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 157, 151) }
```

Border

The CSS property to change the border of an element to Yxy 29.2319, 0.2697, 0.3393 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(103, 157, 151) }
```

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

```
.border{ border-color:rgb(103, 157, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 157, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 157, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 157, 151);  
box-shadow:4px 4px 4px 4px rgb(103, 157,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2319, 0.2697, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 157, 151) }
```

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

```
.background{ background-color: rgb(103,  
157, 151) }
```

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