

Converting Colors

$Y_{xy}(29.3382, 0.2676, 0.3345)$

Have a look what the booklet for
Yxy(29.3382, 0.2676, 0.3345)
contains.

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Color

$Y_{xy}(29.3306, 0.2674, 0.3340)$

Conversions

Conversions Part 1

Format	Color
Hex	679D9A
RGB	103, 157, 154
RGB Percent	40%, 62%, 60%
CMY	0.5962, 0.3843, 0.3960
CMYK	0.34, 0.00, 0.02, 0.38
HSL	177°, 22%, 51%
HSV	177°, 34%, 62%
XYZ	23.4820, 29.3306, 35.0035
YIQ	140.5120, -31.2210, -12.3810

Conversions

Conversions Part 2

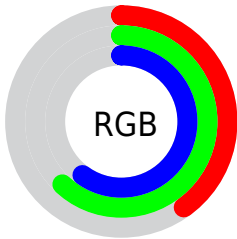
Format	Color
RYB	103, 131, 157
Decimal	6790554
CIELab	61.07, -18.47, -4.13
CIELCh	61, 18.924, 192.591
Yxy	29.3306, 0.2674, 0.3340
Android (android.graphics.Color)	4284980634 (0xFF679D9A)
YUV	140.5120, 6.6496, -32.8980
Hunter-Lab	54.1577, -17.3809, -0.4102

Details

The Yxy color **29.3306, 0.2674, 0.3340** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.9039, 0.3867, 0.3243**, and the grayscale version is **26.4167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7090, 0.2767, 0.3340**, and **12.0174, 0.2525, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **28.4603, 0.2568, 0.3357**, and if you desaturate by 10%, it is **30.3777, 0.2793, 0.3324**.

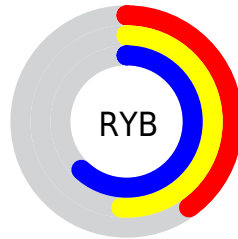
Distribution



Red (40%)

Green (62%)

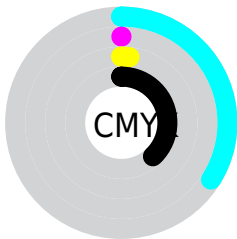
Blue (60%)



Red (40%)

Yellow (51%)

Blue (62%)

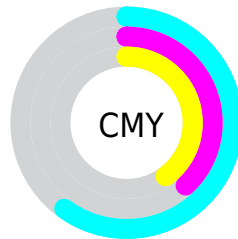


Cyan (34%)

Magenta (0%)

Yellow (2%)

Black (38%)



Cyan (60%)


Magenta (38%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3306, 0.2674, 0.3340 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 29.3306, 0.2674, 0.3340 by changing the saturation by 10% instead.

 29.3306, 0.2674,
0.3340


 29.3306, 0.2674,
0.3340


298.7716, 0.2916,
0.3316


 19.3311, 0.2608,
0.3345


 58.6019, 0.2766,
0.3332


 11.9097, 0.2521,
0.3352


 78.6425, 0.2799,
0.3329

 6.6822, 0.2398,
0.3359


 102.7989, 0.2826,
0.3326

 3.2642, 0.2213,
0.3366

 131.4555, 0.2850,
0.3323

 1.2712, 0.1895,
0.3372

164.9966, 0.2870,
0.3321

 0.1187, 0.0000,
0.2213

203.8068, 0.2887,

 0.0000, 0.0000,

0.3319

0.0000

248.2703, 0.2902,
0.3318

■ 29.3306, 0.2674,
0.3340

■ 29.3306, 0.2674,
0.3340

■ 28.4603, 0.2568,
0.3357

■ 30.3777, 0.2793,
0.3324

■ 27.7537, 0.2479,
0.3374

■ 31.6072, 0.2924,
0.3309

■ 27.2010, 0.2407,
0.3392


■ 33.0287, 0.3064,
0.3296


■ 26.7903, 0.2353,
0.3410

■ 34.6500, 0.3209,
0.3283


■ 26.5077, 0.2318,
0.3428

■ 36.4785, 0.3357,
0.3272

 26.3365, 0.2300,
0.3446

 38.5214, 0.3507,
0.3262

 26.2645, 0.2293,
0.3456

 40.7853, 0.3655,
0.3253

 43.2767, 0.3800,
0.3246

 46.0018, 0.3941,
0.3239

Harmonies

Analogous

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



29.3306, 0.2913, 0.3624



29.3306, 0.2674, 0.3340



29.3306, 0.2555, 0.3057

Triad

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



29.3306, 0.2674, 0.3340



29.3306, 0.3013, 0.2830



29.3306, 0.3700, 0.3700

Complementary

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



29.3306, 0.2674, 0.3340



17.9039, 0.3867, 0.3243

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.



29.3306, 0.3735, 0.3474



29.3306, 0.2674, 0.3340



29.3306, 0.3327, 0.2987

Square

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



29.3306, 0.2674, 0.3340



29.3306, 0.2743, 0.2782



29.3306, 0.3596, 0.3217



29.3306, 0.3507, 0.3831

Rectangle

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



29.3306, 0.2674, 0.3340



29.3306, 0.2556, 0.2912



29.3306, 0.3596, 0.3217



29.3306, 0.3731, 0.3632

Sweetspot

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



29.3318, 0.2674, 0.3340



57.6325, 0.2982, 0.3303



28.1944, 0.3114, 0.4279



12.6103, 0.2964, 0.3305



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.



29.3318, 0.2674, 0.3340



51.3456, 0.2595, 0.3352



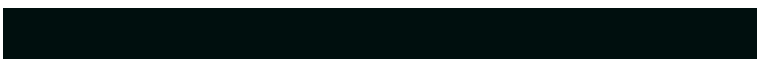
22.2543, 0.2598, 0.2870



7.5032, 0.2995, 0.3302



21.3316, 0.2293, 0.3455



0.3831, 0.2273, 0.3382

Inverse Universe

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



17.9039, 0.3867, 0.3243



27.8373, 0.4107, 0.3233



23.1686, 0.3784, 0.3673



6.6518, 0.3276, 0.3278



5.8391, 0.6322, 0.3256



0.1059, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 29.3306, 0.2674, 0.3340 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 29.3306, 0.2674, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

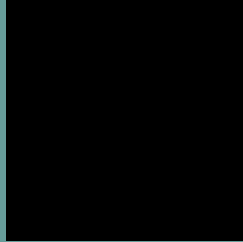
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

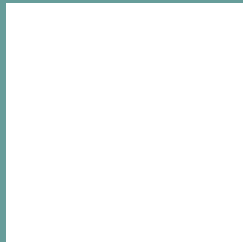
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3306, 0.2674, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 29.3306, 0.2674, 0.3340.

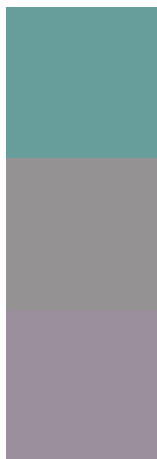


This preview shows how white text looks on a background with the Yxy color 29.3306, 0.2674, 0.3340.

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

29.3306, 0.2674, 0.3340

Protanopia

29.0854, 0.3139, 0.3259

Deuteranopia

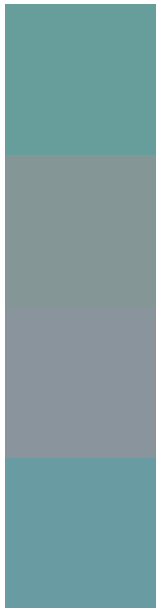
29.1472, 0.3127, 0.3077



Tritanopia

29.2969, 0.2598, 0.3089

Trichromacy



Original Color

29.3306, 0.2674, 0.3340

Protanomaly

28.9202, 0.2949, 0.3289

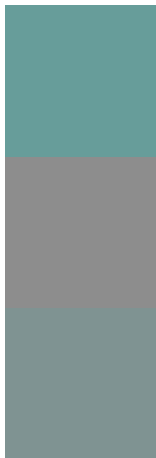
Deuteranomaly

28.8985, 0.2943, 0.3161

Tritanomaly

29.3888, 0.2629, 0.3187

Monochromacy



Original Color

29.3306, 0.2674, 0.3340

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4548, 0.2935, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3306, 0.2674, 0.3340 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(103, 157, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 157, 154) }
```

Border

The CSS property to change the border of an element to Yxy 29.3306, 0.2674, 0.3340 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, 154) }
```

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

```
.border{ border-color:rgb(103, 157, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 157, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 157, 154);  
box-shadow:4px 4px 4px 4px rgb(103, 157,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3306, 0.2674, 0.3340 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, 154) }
```

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

```
.background{ background-color: rgb(103,  
157, 154) }
```

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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