

Converting Colors

$Y_{xy}(29.8770, 0.2635, 0.3269)$

Have a look what the booklet for
Yxy(29.8770, 0.2635, 0.3269)
contains.

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Color

Yxy(29.8405, 0.2640, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	679E9F
RGB	103, 158, 159
RGB Percent	40%, 62%, 62%
CMY	0.5961, 0.3804, 0.3765
CMYK	0.35, 0.01, 0.00, 0.38
HSL	181°, 23%, 51%
HSV	181°, 35%, 62%
XYZ	24.0767, 29.8405, 37.2824
YIQ	141.6690, -33.1010, -11.3490

Conversions

Conversions Part 2

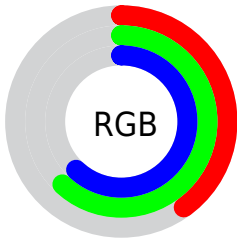
Format	Color
R_{YB}	103, 131, 159
Decimal	6790815
CIE _{Lab}	61.52, -17.76, -6.27
CIE _{LCh}	62, 18.831, 199.450
Yxy	29.8405, 0.2640, 0.3272
Android (android.graphics.Color)	4284980895 (0xFF679E9F)
YUV	141.6690, 8.5442, -33.9127
Hunter-Lab	54.6265, -16.9222, -2.2267

Details

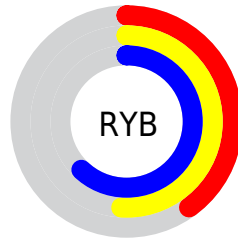
The Yxy color **29.8405, 0.2640, 0.3272** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.2436, 0.3933, 0.3308**, and the grayscale version is **26.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5115, 0.2733, 0.3276**, and **12.0946, 0.2470, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **28.8949, 0.2530, 0.3266**, and if you desaturate by 10%, it is **30.9674, 0.2765, 0.3277**.

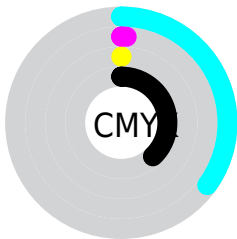
Distribution



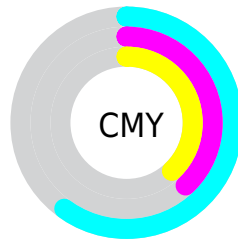
- Red (40%)
- Green (62%)
- Blue (62%)



- Red (40%)
- Yellow (51%)
- Blue (62%)



- Cyan (35%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8405, 0.2640, 0.3272 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 29.8405, 0.2640, 0.3272 by changing the saturation by 10% instead.


 29.8405, 0.2640,
0.3272


 29.8405, 0.2640,
0.3272


301.1603, 0.2898,
0.3286

 19.7176, 0.2570,
0.3267


 59.4098, 0.2738,
0.3278

 12.1899, 0.2478,
0.3258


 79.6250, 0.2773,
0.3280

 6.8731, 0.2349,
0.3244


 103.9731, 0.2803,
0.3282

 3.3829, 0.2158,
0.3218

 132.8384, 0.2828,
0.3283

 1.3347, 0.1843,
0.3161

166.6054, 0.2849,
0.3284

 0.1679, 0.0000,
0.2128

205.6585, 0.2868,

 0.0000, 0.0000,

0.3285

0.0000

250.3819, 0.2884,
0.3285

■ 29.8405, 0.2640,
0.3272

■ 29.8405, 0.2640,
0.3272

■ 28.8949, 0.2530,
0.3266

■ 30.9674, 0.2765,
0.3277

■ 28.1169, 0.2436,
0.3261

■ 32.2815, 0.2902,
0.3283

■ 27.4966, 0.2360,
0.3255


■ 33.7925, 0.3048,
0.3288

■ 27.0213, 0.2302,
0.3249


■ 35.5088, 0.3201,
0.3292


■ 26.6767, 0.2263,
0.3243

■ 37.4380, 0.3357,
0.3296


 26.4443, 0.2240,
0.3238

 39.5873, 0.3515,
0.3300

 26.3506, 0.2232,
0.3235

 41.9638, 0.3671,
0.3303

 44.5741, 0.3824,
0.3306

 47.4246, 0.3974,
0.3309

Harmonies

Analogous

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



29.8405, 0.2853, 0.3562



29.8405, 0.2640, 0.3272



29.8405, 0.2554, 0.3006

Triad

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



29.8405, 0.2640, 0.3272



29.8405, 0.3085, 0.2862



29.8405, 0.3662, 0.3736

Complementary

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



29.8405, 0.2640, 0.3272



18.2436, 0.3933, 0.3308

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.



29.8405, 0.3736, 0.3529



29.8405, 0.2640, 0.3272



29.8405, 0.3394, 0.3037

Square

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



29.8405, 0.2640, 0.3272



29.8405, 0.2801, 0.2787



29.8405, 0.3637, 0.3276



29.8405, 0.3443, 0.3834

Rectangle

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



29.8405, 0.2640, 0.3272



29.8405, 0.2577, 0.2878



29.8405, 0.3637, 0.3276



29.8405, 0.3706, 0.3676

Sweetspot

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



29.8417, 0.2640, 0.3272



58.8693, 0.2960, 0.3285



28.6712, 0.3072, 0.4299



13.1965, 0.2941, 0.3284



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.



29.8417, 0.2640, 0.3272



52.1431, 0.2555, 0.3268



21.3664, 0.2574, 0.2772



7.4896, 0.2988, 0.3286



20.8249, 0.2232, 0.3236



0.3779, 0.2238, 0.3258

Inverse Universe

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



19.5381, 0.3179, 0.2453



30.9950, 0.3190, 0.2282



24.8298, 0.3778, 0.3755



6.7526, 0.3140, 0.3073



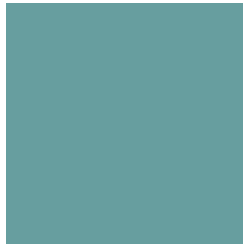
7.7245, 0.3252, 0.1565



0.1387, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 29.8405, 0.2640, 0.3272 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 29.8405, 0.2640, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

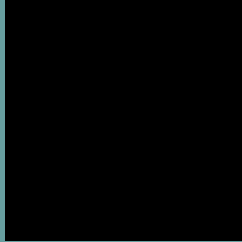
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8405, 0.2640, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 29.8405, 0.2640, 0.3272.

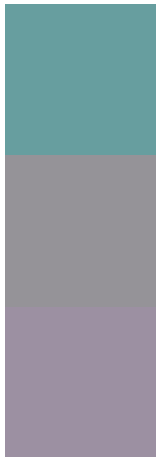


This preview shows how white text looks on a background with the Yxy color 29.8405, 0.2640, 0.3272.

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

29.8405, 0.2640, 0.3272

Protanopia

29.5240, 0.3100, 0.3212

Deuteranopia

29.6231, 0.3078, 0.3019



Tritanopia

29.7057, 0.2586, 0.3073

Trichromacy



Original Color

29.8405, 0.2640, 0.3272

Protanomaly

29.4053, 0.2906, 0.3224

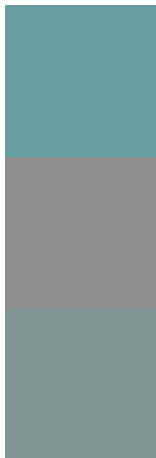
Deuteranomaly

29.3865, 0.2900, 0.3099

Tritanomaly

29.8338, 0.2609, 0.3155

Monochromacy



Original Color

29.8405, 0.2640, 0.3272

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.9071, 0.2928, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8405, 0.2640, 0.3272 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, 158, 159)` looks like.

```
.text, #text, p{  
    color:rgb(103, 158, 159)  
}
```

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, 158, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 158, 159) }
```

Border

The CSS property to change the border of an element to Yxy 29.8405, 0.2640, 0.3272 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, 158, 159) }
```

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

```
.border{ border-color:rgb(103, 158, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 158, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 158, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 158, 159);  
box-shadow:4px 4px 4px 4px rgb(103, 158,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8405, 0.2640, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 158, 159) }
```

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

```
.background{ background-color: rgb(103,  
158, 159) }
```

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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