

Converting Colors

$Y_{xy}(27.9796, 0.2663, 0.3289)$

Have a look what the booklet for
Yxy(27.9796, 0.2663, 0.3289)
contains.

Yxy(27.9072, 0.2666, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.9072, 0.2666, 0.3289)$

Conversions

Conversions Part 1

Format	Color
Hex	669999
RGB	102, 153, 153
RGB Percent	40%, 60%, 60%
CMY	0.5999, 0.4000, 0.4001
CMYK	0.33, 0.00, 0.00, 0.40
HSL	180°, 20%, 50%
HSV	180°, 33%, 60%
XYZ	22.6210, 27.9072, 34.3219
YIQ	137.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

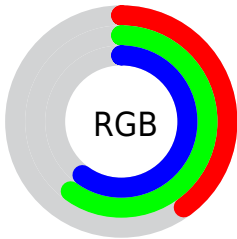
Format	Color
RYB	102, 128, 153
Decimal	6723993
CIELab	59.80, -16.89, -5.42
CIElCh	60, 17.735, 197.779
Yxy	27.9072, 0.2666, 0.3289
Android (android.graphics.Color)	4284914073 (0xFF669999)
YUV	137.7510, 7.5178, -31.3536
Hunter-Lab	52.8273, -16.0127, -1.5416

Details

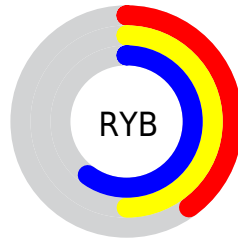
The Yxy color $27.9072, 0.2666, 0.3289$ is a dark color, and the websafe version is hex 669999 , and the color name is [desaturated cyan](#). A complement of this color would be $17.2405, 0.3874, 0.3292$, and the grayscale version is $25.2974, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0992, 0.2761, 0.3289$, and $11.1659, 0.2508, 0.3288$ is the 20% darker color. If you saturate the color by 10%, you get $27.0949, 0.2554, 0.3289$, and if you desaturate by 10%, it is $28.8868, 0.2792, 0.3289$.

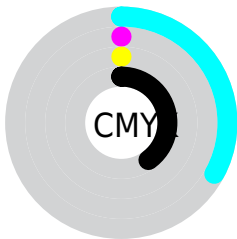
Distribution



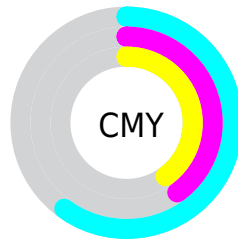
- Red (40%)
- Green (60%)
- Blue (60%)



- Red (40%)
- Yellow (50%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)




- Cyan (60%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9072, 0.2666, 0.3289 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 27.9072, 0.2666, 0.3289 by changing the saturation by 10% instead.


 27.9072, 0.2666,
0.3289


 27.9072, 0.2666,
0.3289


292.0232, 0.2913,
0.3293


 18.2557, 0.2598,
0.3286

 56.3362, 0.2760,
0.3292

 11.1337, 0.2507,
0.3282

 75.8826, 0.2794,
0.3292

 6.1569, 0.2379,
0.3273

 99.4960, 0.2823,
0.3293

 2.9407, 0.2185,
0.3255

 127.5609, 0.2846,
0.3293

 1.1008, 0.1815,
0.3226

160.4617, 0.2867,
0.3293

 0.0000, 0.0000,
0.0000

198.5828, 0.2884,

0.3293

242.3085, 0.2900,
0.3293

■ 27.9072, 0.2666,
0.3289

■ 27.9072, 0.2666,
0.3289

■ 27.0949, 0.2554,
0.3289

■ 28.8868, 0.2792,
0.3289

■ 26.4373, 0.2459,
0.3289

■ 30.0386, 0.2930,
0.3290

■ 25.9257, 0.2382,
0.3289

■ 31.3717, 0.3077,
0.3290

■ 25.5490, 0.2323,
0.3289

■ 32.8933, 0.3230,
0.3290

■ 25.2944, 0.2282,
0.3289

■ 34.6105, 0.3387,
0.3291

■ 25.1467, 0.2258,
0.3289

■ 36.5297, 0.3545,
0.3291

■ 25.0806, 0.2247,
0.3289

■ 38.6573, 0.3701,
0.3291

■ 40.9993, 0.3855,
0.3292

■ 43.5614, 0.4005,
0.3292

Harmonies

Analogous

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



27.9072, 0.2878, 0.3565



27.9072, 0.2666, 0.3289



27.9072, 0.2575, 0.3029

Triad

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



27.9072, 0.2666, 0.3289



27.9072, 0.3070, 0.2870



27.9072, 0.3651, 0.3712

Complementary

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



27.9072, 0.2666, 0.3289



17.2405, 0.3874, 0.3292

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.



27.9072, 0.3712, 0.3508



27.9072, 0.2666, 0.3289



27.9072, 0.3368, 0.3035

Square

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



27.9072, 0.2666, 0.3289



27.9072, 0.2800, 0.2804



27.9072, 0.3608, 0.3263



27.9072, 0.3446, 0.3813

Rectangle

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



27.9072, 0.2666, 0.3289



27.9072, 0.2592, 0.2902



27.9072, 0.3608, 0.3263



27.9072, 0.3689, 0.3652

Sweetspot

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



27.9083, 0.2666, 0.3289



54.5042, 0.2975, 0.3290



26.6188, 0.3090, 0.4247



11.9697, 0.2956, 0.3290



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.9083, 0.2666, 0.3289



48.8642, 0.2581, 0.3289



20.6594, 0.2610, 0.2839



7.0265, 0.2989, 0.3290



20.7284, 0.2247, 0.3289



0.3099, 0.2247, 0.3288

Inverse Universe

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



17.2405, 0.3874, 0.3292



26.7441, 0.4126, 0.3293



22.8243, 0.3743, 0.3701



6.2227, 0.3283, 0.3290



5.5973, 0.6400, 0.3299



0.0837, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 27.9072, 0.2666, 0.3289 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 27.9072, 0.2666, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

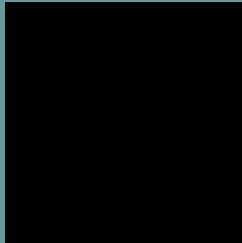
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9072, 0.2666, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 27.9072, 0.2666, 0.3289.

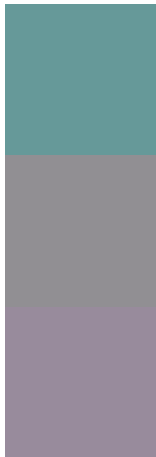


This preview shows how white text looks on a background with the Yxy color 27.9072, 0.2666, 0.3289.

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

27.9072, 0.2666, 0.3289

Protanopia

27.7712, 0.3109, 0.3226

Deuteranopia

27.5409, 0.3097, 0.3026



Tritanopia

27.8168, 0.2602, 0.3068

Trichromacy



Original Color

27.9072, 0.2666, 0.3289

Protanomaly

27.7045, 0.2928, 0.3256

Deuteranomaly

27.3814, 0.2921, 0.3110

Tritanomaly

27.9376, 0.2627, 0.3152

Monochromacy



Original Color

27.9072, 0.2666, 0.3289

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.9881, 0.2941, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9072, 0.2666, 0.3289 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(102, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 153)  
}
```

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(102, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 153) }
```

Border

The CSS property to change the border of an element to Yxy 27.9072, 0.2666, 0.3289 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(102, 153, 153) }
```

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

```
.border{ border-color:rgb(102, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9072, 0.2666, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 153, 153) }
```

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

```
.background{ background-color: rgb(102,  
153, 153) }
```

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