

Converting Colors

$Y_{xy}(27.3587, 0.3072, 0.4290)$

Have a look what the booklet for
Yxy(27.3587, 0.3072, 0.4290)
contains.

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Color

Yxy(27.5029, 0.3071, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	659C66
RGB	101, 156, 102
RGB Percent	40%, 61%, 40%
CMY	0.6038, 0.3882, 0.5999
CMYK	0.35, 0.00, 0.35, 0.39
HSL	121°, 22%, 50%
HSV	121°, 35%, 61%
XYZ	19.6559, 27.5029, 16.8461
YIQ	133.3990, -15.4460, -28.4540

Conversions

Conversions Part 2

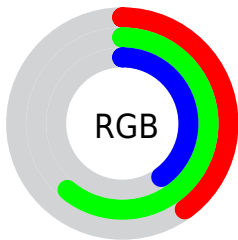
Format	Color
RYB	101, 155, 156
Decimal	6659174
CIELab	59.44, -29.48, 22.70
CIElCh	59, 37.204, 142.409
Yxy	27.5029, 0.3071, 0.4297
Android (android.graphics.Color)	4284849254 (0xFF659C66)
YUV	133.3990, -15.4797, -28.4139
Hunter-Lab	52.4432, -24.8732, 17.6648

Details

The Yxy color $27.5029, 0.3071, 0.4297$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.7465, 0.3179, 0.2454$, and the grayscale version is $23.6730, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7585, 0.3097, 0.4076$, and $10.8451, 0.3014, 0.4716$ is the 20% darker color. If you saturate the color by 10%, you get $26.4107, 0.3053, 0.4640$, and if you desaturate by 10%, it is $28.8245, 0.3088, 0.3973$.

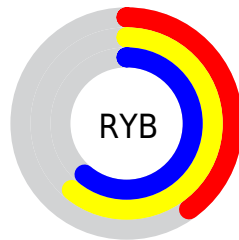
Distribution



Red (40%)

Green (61%)

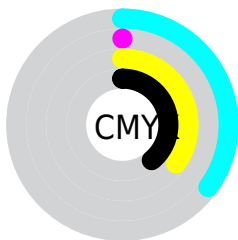
Blue (40%)



Red (40%)

Yellow (61%)

Blue (61%)

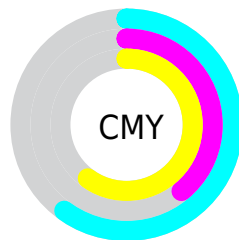


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (60%)

Magenta (39%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5029, 0.3071, 0.4297 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 27.5029, 0.3071, 0.4297 by changing the saturation by 10% instead.


 27.5029, 0.3071,
0.4297


 27.5029, 0.3071,
0.4297


290.0839, 0.3117,
0.3722


 17.9513, 0.3050,
0.4469


 55.6898, 0.3094,
0.4068

 10.9150, 0.3016,
0.4710


 75.0939, 0.3100,
0.3989

 6.0097, 0.2953,
0.5069

 98.5509, 0.3105,
0.3924

 2.8510, 0.2831,
0.5666

 126.4453, 0.3109,
0.3870

 1.0544, 0.2059,
0.7941

159.1613, 0.3112,
0.3824

 0.0000, 0.0000,
0.0000

197.0835, 0.3114,

0.3785

240.5963, 0.3116,
0.3752

■ 27.5029, 0.3071,
0.4297

■ 27.5029, 0.3071,
0.4297

■ 26.4107, 0.3053,
0.4640

■ 28.8245, 0.3088,
0.3973

■ 25.5317, 0.3036,
0.4985

■ 30.3838, 0.3105,
0.3678

■ 24.8530, 0.3021,
0.5312


■ 32.1930, 0.3120,
0.3415


■ 24.3587, 0.3010,
0.5593

■ 34.2624, 0.3133,
0.3184

■ 24.0309, 0.3002,
0.5807

■ 36.6017, 0.3146,
0.2984


 23.8465, 0.2999,
0.5941

 39.2201, 0.3156,
0.2812

 23.7826, 0.2996,
0.5986

 42.1264, 0.3166,
0.2663

 45.3290, 0.3174,
0.2536

 48.8359, 0.3181,
0.2427

Harmonies

Analogous

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



27.5029, 0.3671, 0.4415



27.5029, 0.3071, 0.4297



27.5029, 0.2516, 0.3799

Triad

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



27.5029, 0.3071, 0.4297



27.5029, 0.2157, 0.2375



27.5029, 0.4206, 0.3273

Complementary

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



27.5029, 0.3071, 0.4297



18.7465, 0.3179, 0.2454

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.



27.5029, 0.3718, 0.2834



27.5029, 0.3071, 0.4297



27.5029, 0.2523, 0.2336

Square

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



27.5029, 0.3071, 0.4297



27.5029, 0.2027, 0.2649



27.5029, 0.3085, 0.2502



27.5029, 0.4363, 0.3749

Rectangle

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



27.5029, 0.3071, 0.4297



27.5029, 0.2244, 0.3369



27.5029, 0.3085, 0.2502



27.5029, 0.4073, 0.3119

Sweetspot

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



27.5041, 0.3071, 0.4297



56.4532, 0.3111, 0.3568



31.6932, 0.3633, 0.4146



12.3347, 0.3109, 0.3601



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.



27.5041, 0.3071, 0.4297



48.4125, 0.3058, 0.4556



28.1408, 0.2848, 0.3771



7.4029, 0.3114, 0.3517



19.5906, 0.2996, 0.5985



0.3508, 0.2975, 0.5908

Inverse Universe

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



18.7465, 0.3179, 0.2454



30.1557, 0.3191, 0.2284



17.9275, 0.3544, 0.2858



6.7525, 0.3140, 0.3073



7.7220, 0.3254, 0.1566



0.1387, 0.3235, 0.1555

Previews

White Background



This preview shows how the Yxy color 27.5029, 0.3071, 0.4297 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 27.5029, 0.3071, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

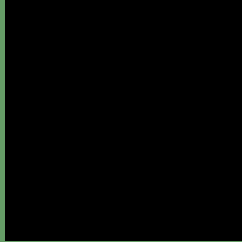
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5029, 0.3071, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 27.5029, 0.3071, 0.4297.



This preview shows how white text looks on a background with the Yxy color 27.5029, 0.3071, 0.4297.

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

27.5029, 0.3071, 0.4297

Protanopia

27.0606, 0.3740, 0.4031

Deuteranopia

27.2568, 0.3826, 0.3765



Tritanopia

27.5128, 0.2677, 0.3086

Trichromacy



Original Color

27.5029, 0.3071, 0.4297

Protanomaly

26.9002, 0.3477, 0.4133

Deuteranomaly

26.8957, 0.3522, 0.3943

Tritanomaly

27.5381, 0.2816, 0.3502

Monochromacy



Original Color

27.5029, 0.3071, 0.4297

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5198, 0.3100, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5029, 0.3071, 0.4297 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(101, 156, 102)` looks like.

```
.text, #text, p{  
    color:rgb(101, 156, 102)  
}
```

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(101, 156, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 156, 102) }
```

Border

The CSS property to change the border of an element to Yxy 27.5029, 0.3071, 0.4297 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(101, 156, 102) }
```

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

```
.border{ border-color:rgb(101, 156, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 156, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 156, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 156, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 156,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5029, 0.3071, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 156, 102) }
```

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

```
.background{ background-color: rgb(101,  
156, 102) }
```

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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