

Converting Colors

$Y_{xy}(27.9072, 0.2878, 0.3565)$

Have a look what the booklet for
Yxy(27.9072, 0.2878, 0.3565)
contains.

Yxy(28.0334, 0.2877, 0.3571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0334, 0.2877, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	709989
RGB	112, 153, 137
RGB Percent	44%, 60%, 54%
CMY	0.5609, 0.4000, 0.4628
CMYK	0.27, 0.00, 0.10, 0.40
HSL	157°, 17%, 52%
HSV	157°, 27%, 60%
XYZ	22.5853, 28.0334, 27.8842
YIQ	138.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

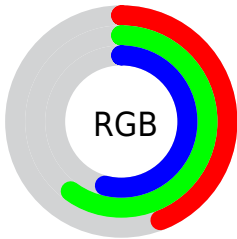
Format	Color
RYB	112, 137, 153
Decimal	7379337
CIELab	59.92, -17.54, 3.89
CIELCh	60, 17.968, 167.506
Yxy	28.0334, 0.2877, 0.3571
Android (android.graphics.Color)	4285569417 (0xFF709989)
YUV	138.9170, -0.9451, -23.6062
Hunter-Lab	52.9466, -16.5142, 5.8376

Details

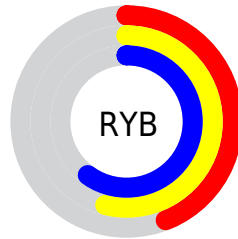
The Yxy color **28.0334, 0.2877, 0.3571** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.9134, 0.3469, 0.3026**, and the grayscale version is **25.7925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3427, 0.2935, 0.3509**, and **11.2476, 0.2793, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **26.9483, 0.2795, 0.3695**, and if you desaturate by 10%, it is **29.3008, 0.2967, 0.3458**.

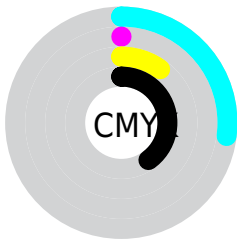
Distribution



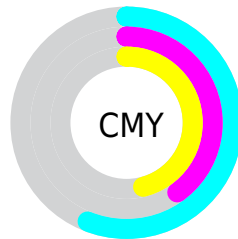
- Red (44%)
- Green (60%)
- Blue (54%)



- Red (44%)
- Yellow (54%)
- Blue (60%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)





- Cyan (56%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0334, 0.2877, 0.3571 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 28.0334, 0.2877, 0.3571 by changing the saturation by 10% instead.


 28.0334, 0.2877,
0.3571

 28.0334, 0.2877,
0.3571


292.6265, 0.3014,
0.3416

 18.3508, 0.2838,
0.3615


 56.5378, 0.2930,
0.3511


 11.2022, 0.2786,
0.3676


 76.1284, 0.2949,
0.3489

 6.2030, 0.2709,
0.3766

 99.7904, 0.2964,
0.3472

 2.9689, 0.2589,
0.3908

 127.9083, 0.2977,
0.3457

 1.1155, 0.2318,
0.4202

160.8665, 0.2989,
0.3445

 0.0000, 0.0000,
0.0000

199.0493, 0.2998,

0.3434

242.8412, 0.3006,
0.3424

■ 28.0334, 0.2877,
0.3571

■ 28.0334, 0.2877,
0.3571

■ 26.9483, 0.2795,
0.3695

■ 29.3008, 0.2967,
0.3458

■ 26.0334, 0.2723,
0.3827

■ 30.7553, 0.3061,
0.3354

■ 25.2802, 0.2665,
0.3967

■ 32.4056, 0.3158,
0.3262

■ 24.6782, 0.2622,
0.4113

■ 34.2590, 0.3256,
0.3179

■ 24.2157, 0.2598,
0.4262

■ 36.3223, 0.3352,
0.3105

■ 23.8790, 0.2593,
0.4410

■ 38.6020, 0.3447,
0.3041

■ 23.6469, 0.2607,
0.4556

■ 41.1044, 0.3539,
0.2984

■ 23.5813, 0.2612,
0.4603

■ 43.8354, 0.3627,
0.2934

■ 46.8009, 0.3711,
0.2891

Harmonies

Analogous

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



28.0334, 0.3165, 0.3770



28.0334, 0.2877, 0.3571



28.0334, 0.2662, 0.3291

Triad

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



28.0334, 0.2877, 0.3571



28.0334, 0.2794, 0.2799



28.0334, 0.3719, 0.3508

Complementary

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



28.0334, 0.2877, 0.3571



19.9134, 0.3469, 0.3026

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.



28.0334, 0.3612, 0.3260



28.0334, 0.2877, 0.3571



28.0334, 0.3067, 0.2864

Square

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



28.0334, 0.2877, 0.3571



28.0334, 0.2616, 0.2853



28.0334, 0.3368, 0.3030



28.0334, 0.3658, 0.3715

Rectangle

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



28.0334, 0.2877, 0.3571



28.0334, 0.2585, 0.3109



28.0334, 0.3368, 0.3030



28.0334, 0.3702, 0.3427

Sweetspot

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



28.0346, 0.2877, 0.3571



54.7031, 0.3048, 0.3368



28.5742, 0.3257, 0.3999



11.9947, 0.3035, 0.3382



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.



28.0346, 0.2877, 0.3571



49.0309, 0.2828, 0.3642



27.2083, 0.2740, 0.3218



6.9857, 0.3038, 0.3378



19.4933, 0.2609, 0.4592



0.2985, 0.2435, 0.3964

Inverse Universe

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



19.9134, 0.3469, 0.3026



32.0681, 0.3569, 0.2966



20.4505, 0.3667, 0.3360



6.2606, 0.3225, 0.3203



5.8705, 0.5363, 0.2728



0.0946, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 28.0334, 0.2877, 0.3571 looks on a white background.

Color Contrast Check

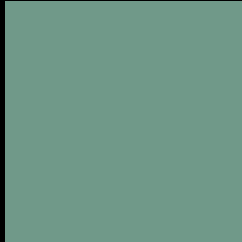
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0334, 0.2877, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

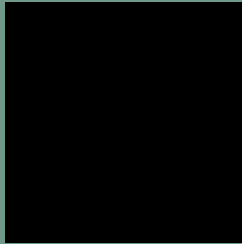
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0334, 0.2877, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 28.0334, 0.2877, 0.3571.



This preview shows how white text looks on a background with the Yxy color 28.0334, 0.2877, 0.3571.

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

28.0334, 0.2877, 0.3571

Protanopia

27.7004, 0.3303, 0.3468

Deuteranopia

27.7296, 0.3338, 0.3275



Tritanopia

27.8500, 0.2719, 0.3089

Trichromacy



Original Color

28.0334, 0.2877, 0.3571

Protanomaly

27.8229, 0.3138, 0.3507

Deuteranomaly

27.5614, 0.3155, 0.3372

Tritanomaly

27.7245, 0.2776, 0.3255

Monochromacy



Original Color

28.0334, 0.2877, 0.3571

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.4486, 0.3029, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0334, 0.2877, 0.3571 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(112, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(112, 153, 137)  
}
```

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(112, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 153, 137) }
```

Border

The CSS property to change the border of an element to Yxy 28.0334, 0.2877, 0.3571 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(112, 153, 137) }
```

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

```
.border{ border-color:rgb(112, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 153, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 153, 137);  
box-shadow:4px 4px 4px 4px rgb(112, 153,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0334, 0.2877, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 153, 137) }
```

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

```
.background{ background-color: rgb(112,  
153, 137) }
```

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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