

Converting Colors

$Y_{xy}(28.3604, 0.2836, 0.3362)$

Have a look what the booklet for
Yxy(28.3604, 0.2836, 0.3362)
contains.

Yxy(28.3765, 0.2829, 0.3357)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3765, 0.2829, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	759894
RGB	117, 152, 148
RGB Percent	46%, 60%, 58%
CMY	0.5411, 0.4039, 0.4195
CMYK	0.23, 0.00, 0.03, 0.40
HSL	173°, 15%, 53%
HSV	173°, 23%, 60%
XYZ	23.9134, 28.3765, 32.2395
YIQ	141.0790, -19.5760, -8.6640

Conversions

Conversions Part 2

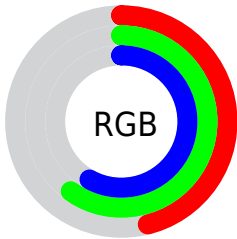
Format	Color
RYB	117, 136, 152
Decimal	7706772
CIELab	60.23, -12.92, -1.88
CIElCh	60, 13.053, 188.265
Yxy	28.3765, 0.2829, 0.3357
Android (android.graphics.Color)	4285896852 (0xFF759894)
YUV	141.0790, 3.4121, -21.1173
Hunter-Lab	53.2696, -13.0910, 1.4056

Details

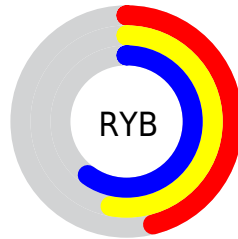
The Yxy color $28.3765, 0.2829, 0.3357$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.7853, 0.3532, 0.3225$, and the grayscale version is $26.6637, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9529, 0.2891, 0.3340$, and $11.3994, 0.2735, 0.3391$ is the 20% darker color. If you saturate the color by 10%, you get $27.3542, 0.2714, 0.3390$, and if you desaturate by 10%, it is $29.5730, 0.2954, 0.3326$.

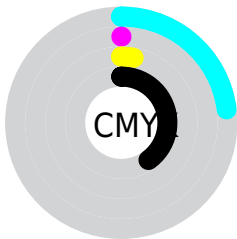
Distribution



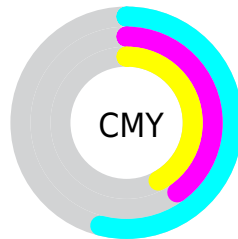
- Red (46%)
- Green (60%)
- Blue (58%)



- Red (46%)
- Yellow (53%)
- Blue (60%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)





- Cyan (54%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3765, 0.2829, 0.3357 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 28.3765, 0.2829, 0.3357 by changing the saturation by 10% instead.


 28.3765, 0.2829,
0.3357

 28.3765, 0.2829,
0.3357


294.2616, 0.2990,
0.3322


 18.6097, 0.2785,
0.3366


 57.0850, 0.2890,
0.3344

 11.3886, 0.2725,
0.3379


 76.7954, 0.2913,
0.3339

 6.3288, 0.2640,
0.3396


 100.5892, 0.2931,
0.3335

 3.0460, 0.2509,
0.3421

128.8507, 0.2946,
0.3332

 1.1558, 0.2279,
0.3462

161.9642, 0.2960,
0.3329

 0.0252, 0.0000,
0.1370

200.3143, 0.2971,

 0.0000, 0.0000,

0.3326

0.0000

244.2853, 0.2981,
0.3324

■ 28.3765, 0.2829,
0.3357

■ 28.3765, 0.2829,
0.3357

■ 27.3542, 0.2714,
0.3390

■ 29.5730, 0.2954,
0.3326

■ 26.4942, 0.2611,
0.3425

■ 30.9477, 0.3086,
0.3298

■ 25.7889, 0.2524,
0.3462

■ 32.5092, 0.3223,
0.3272

■ 25.2284, 0.2453,
0.3500

■ 34.2642, 0.3363,
0.3249

■ 24.8019, 0.2401,
0.3538

■ 36.2192, 0.3502,
0.3229

■ 24.4968, 0.2367,
0.3577

■ 38.3803, 0.3640,
0.3211

■ 24.2985, 0.2351,
0.3615

■ 40.7535, 0.3775,
0.3195

■ 24.1957, 0.2345,
0.3642

■ 43.3445, 0.3906,
0.3182

■ 46.1587, 0.4032,
0.3170

Harmonies

Analogous

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



28.3765, 0.3009, 0.3543



28.3765, 0.2829, 0.3357



28.3765, 0.2729, 0.3158

Triad

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



28.3765, 0.2829, 0.3357



28.3765, 0.3019, 0.2953



28.3765, 0.3537, 0.3562

Complementary

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



28.3765, 0.2829, 0.3357



20.7853, 0.3532, 0.3225

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.



28.3765, 0.3542, 0.3399



28.3765, 0.2829, 0.3357



28.3765, 0.3237, 0.3055

Square

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



28.3765, 0.2829, 0.3357



28.3765, 0.2836, 0.2933



28.3765, 0.3431, 0.3216



28.3765, 0.3419, 0.3660

Rectangle

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



28.3765, 0.2829, 0.3357



28.3765, 0.2719, 0.3048



28.3765, 0.3431, 0.3216



28.3765, 0.3552, 0.3513

Sweetspot

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



28.3777, 0.2829, 0.3357



53.5873, 0.3031, 0.3309



27.8130, 0.3138, 0.3907



12.1507, 0.3024, 0.3311



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.



28.3777, 0.2829, 0.3357



49.0550, 0.2764, 0.3375



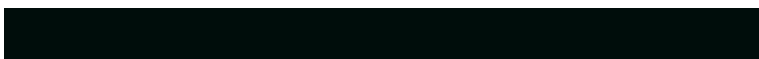
24.3982, 0.2779, 0.3057



7.0144, 0.3003, 0.3315



20.2917, 0.2344, 0.3640



0.3064, 0.2297, 0.3468

Inverse Universe

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



20.7853, 0.3532, 0.3225



33.0689, 0.3662, 0.3208



24.0409, 0.3536, 0.3512



6.2336, 0.3266, 0.3265



5.6345, 0.6227, 0.3204



0.0869, 0.5553, 0.2833

Previews

White Background



This preview shows how the Yxy color 28.3765, 0.2829, 0.3357 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 28.3765, 0.2829, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

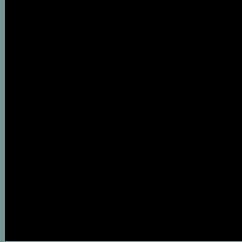
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

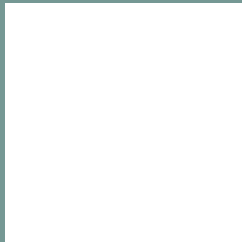
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3765, 0.2829, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 28.3765, 0.2829, 0.3357.



This preview shows how white text looks on a background with the Yxy color 28.3765, 0.2829, 0.3357.

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

28.3765, 0.2829, 0.3357

Protanopia

28.2256, 0.3179, 0.3306

Deuteranopia

28.0261, 0.3199, 0.3136



Tritanopia

28.4144, 0.2738, 0.3091

Trichromacy



Original Color

28.3765, 0.2829, 0.3357

Protanomaly

28.2301, 0.3044, 0.3323

Deuteranomaly

27.8672, 0.3058, 0.3209

Tritanomaly

28.4895, 0.2771, 0.3189

Monochromacy



Original Color

28.3765, 0.2829, 0.3357

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.1699, 0.3003, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3765, 0.2829, 0.3357 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(117, 152, 148)` looks like.

```
.text, #text, p{  
    color:rgb(117, 152, 148)  
}
```

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(117, 152, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 152, 148) }
```

Border

The CSS property to change the border of an element to Yxy 28.3765, 0.2829, 0.3357 is called "border". The border property can be set on classes, ids or directly on the HTML element.

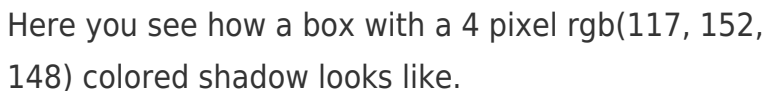
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 152, 148) }
```

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

```
.border{ border-color:rgb(117, 152, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 152, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 152, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 152, 148); box-shadow:4px 4px 4px 4px rgb(117, 152, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3765, 0.2829, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 152, 148) }
```

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

```
.background{ background-color: rgb(117,  
152, 148) }
```

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