

Converting Colors

$Y_{xy}(27.8960, 0.2775, 0.3598)$

Have a look what the booklet for
Yxy(27.8960, 0.2775, 0.3598)
contains.

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Color

$Y_{xy}(27.9870, 0.2770, 0.3594)$

Conversions

Conversions Part 1

Format	Color
Hex	649B8A
RGB	100, 155, 138
RGB Percent	39%, 61%, 54%
CMY	0.6076, 0.3922, 0.4588
CMYK	0.35, 0.00, 0.11, 0.39
HSL	161°, 22%, 50%
HSV	161°, 35%, 61%
XYZ	21.5704, 27.9870, 28.3141
YIQ	136.6170, -27.3230, -16.9470

Conversions

Conversions Part 2

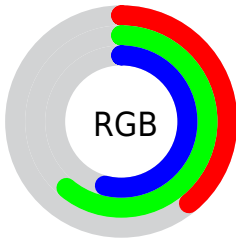
Format	Color
RYB	100, 133, 155
Decimal	6593418
CIELab	59.88, -22.07, 3.17
CIElCh	60, 22.298, 171.838
Yxy	27.9870, 0.2770, 0.3594
Android (android.graphics.Color)	4284783498 (0xFF649B8A)
YUV	136.6170, 0.6818, -32.1131
Hunter-Lab	52.9027, -19.7988, 5.2993

Details

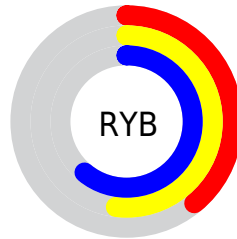
The Yxy color $27.9870, 0.2770, 0.3594$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.3805, 0.3687, 0.3010$, and the grayscale version is $24.8754, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6271, 0.2849, 0.3538$, and $11.2582, 0.2640, 0.3725$ is the 20% darker color. If you saturate the color by 10%, you get $27.0503, 0.2689, 0.3696$, and if you desaturate by 10%, it is $29.1002, 0.2862, 0.3499$.

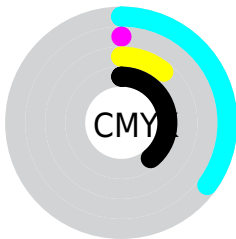
Distribution



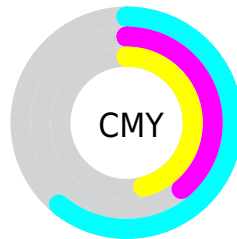
- Red (39%)
- Green (61%)
- Blue (54%)



- Red (39%)
- Yellow (52%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (39%)



- Cyan (61%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9870, 0.2770, 0.3594 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 27.9870, 0.2770, 0.3594 by changing the saturation by 10% instead.

■ 27.9870, 0.2770,
0.3594

■ 27.9870, 0.2770,
0.3594

■ 292.4048, 0.2965,
0.3427

■ 18.3159, 0.2715,
0.3642

■ 56.4637, 0.2845,
0.3529

■ 11.1770, 0.2641,
0.3707

■ 76.0380, 0.2872,
0.3506

■ 6.1860, 0.2534,
0.3803

■ 99.6822, 0.2894,
0.3487

■ 2.9585, 0.2368,
0.3954

■ 127.7807, 0.2913,
0.3471

■ 1.1101, 0.1940,
0.4303

■ 160.7177, 0.2928,
0.3457

■ 0.0000, 0.0000,
0.0000

198.8779, 0.2942,

0.3446

242.6454, 0.2954,
0.3436

■ 27.9870, 0.2770,
0.3594

■ 27.9870, 0.2770,
0.3594

■ 27.0503, 0.2689,
0.3696

■ 29.1002, 0.2862,
0.3499

■ 26.2772, 0.2621,
0.3804

■ 30.3955, 0.2963,
0.3410

■ 25.6581, 0.2570,
0.3917


■ 31.8822, 0.3068,
0.3330

■ 25.1813, 0.2537,
0.4032


■ 33.5681, 0.3177,
0.3258


■ 24.8329, 0.2523,
0.4148

■ 35.4605, 0.3287,
0.3193

 24.5951, 0.2527,
0.4263

 37.5664, 0.3396,
0.3136

 24.5028, 0.2532,
0.4315

 39.8924, 0.3503,
0.3085

 42.4447, 0.3607,
0.3041

 45.2296, 0.3708,
0.3002

Harmonies

Analogous

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



27.9870, 0.3116, 0.3868



27.9870, 0.2770, 0.3594



27.9870, 0.2528, 0.3236

Triad

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



27.9870, 0.2770, 0.3594



27.9870, 0.2757, 0.2691



27.9870, 0.3866, 0.3593

Complementary

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



27.9870, 0.2770, 0.3594



17.3805, 0.3687, 0.3010

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.



27.9870, 0.3762, 0.3293



27.9870, 0.2770, 0.3594



27.9870, 0.3103, 0.2792

Square

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



27.9870, 0.2770, 0.3594



27.9870, 0.2521, 0.2731



27.9870, 0.3476, 0.3007



27.9870, 0.3757, 0.3841

Rectangle

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



27.9870, 0.2770, 0.3594



27.9870, 0.2451, 0.3015



27.9870, 0.3476, 0.3007



27.9870, 0.3855, 0.3495

Sweetspot

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



27.9881, 0.2770, 0.3594



55.5238, 0.3007, 0.3376



28.1749, 0.3247, 0.4270



12.4937, 0.2994, 0.3386



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.



27.9881, 0.2770, 0.3594



48.6988, 0.2701, 0.3680



25.3063, 0.2617, 0.3110



6.9940, 0.3028, 0.3360



19.6904, 0.2529, 0.4306



0.3008, 0.2390, 0.3804

Inverse Universe

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



17.3805, 0.3687, 0.3010



26.6430, 0.3885, 0.2943



19.0705, 0.3885, 0.3461



6.2526, 0.3237, 0.3221



5.7742, 0.5675, 0.2900



0.0923, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 27.9870, 0.2770, 0.3594 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 27.9870, 0.2770, 0.3594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

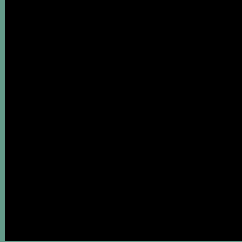
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9870, 0.2770, 0.3594

Background



This preview shows how black text looks on a background with the Yxy color 27.9870, 0.2770, 0.3594.



This preview shows how white text looks on a background with the Yxy color 27.9870, 0.2770, 0.3594.

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

27.9870, 0.2770, 0.3594

Protanopia

27.7004, 0.3303, 0.3468

Deuteranopia

27.6574, 0.3316, 0.3259



Tritanopia

27.8417, 0.2618, 0.3085

Trichromacy



Original Color

27.9870, 0.2770, 0.3594

Protanomaly

27.4140, 0.3086, 0.3511

Deuteranomaly

27.4626, 0.3092, 0.3373

Tritanomaly

27.7326, 0.2672, 0.3254

Monochromacy



Original Color

27.9870, 0.2770, 0.3594

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0377, 0.2987, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9870, 0.2770, 0.3594 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(100, 155, 138)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 138)  
}
```

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(100, 155, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 138) }
```

Border

The CSS property to change the border of an element to Yxy 27.9870, 0.2770, 0.3594 is called "border". The border property can be set on classes, ids or directly on the HTML element.

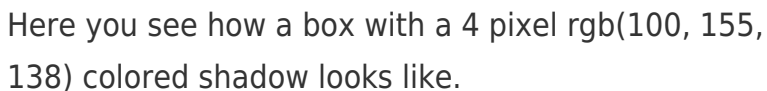
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 155, 138) }
```

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

```
.border{ border-color:rgb(100, 155, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 155, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 138);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9870, 0.2770, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 138) }
```

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

```
.background{ background-color: rgb(100,  
155, 138) }
```

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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