

Converting Colors

$Yxy(27.5573, 0.2496, 0.3550)$

Have a look what the booklet for
Yxy(27.5573, 0.2496, 0.3550)
contains.

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Color

$\text{Yxy}(27.5573, 0.2496, 0.3550)$

Conversions

Conversions Part 1

Format	Color
Hex	409E90
RGB	64, 158, 144
RGB Percent	25%, 62%, 56%
CMY	0.7491, 0.3804, 0.4352
CMYK	0.60, 0.00, 0.09, 0.38
HSL	171°, 42%, 44%
HSV	171°, 60%, 62%
XYZ	19.3755, 27.5573, 30.6934
YIQ	128.2980, -51.5300, -24.2820

Conversions

Conversions Part 2

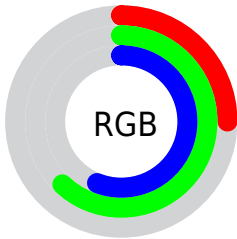
Format	Color
RYB	64, 115, 158
Decimal	4234896
CIELab	59.49, -31.11, -0.99
CIElCh	59, 31.122, 181.818
Yxy	27.5573, 0.2496, 0.3550
Android (android.graphics.Color)	4282424976 (0xFF409E90)
YUV	128.2980, 7.7411, -56.3893
Hunter-Lab	52.4950, -25.9834, 2.0802

Details

The Yxy color **27.5573, 0.2496, 0.3550** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4831, 0.4641, 0.3079**, and the grayscale version is **21.6802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7307, 0.2624, 0.3492**, and **11.1162, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **27.0307, 0.2440, 0.3601**, and if you desaturate by 10%, it is **28.2375, 0.2570, 0.3500**.

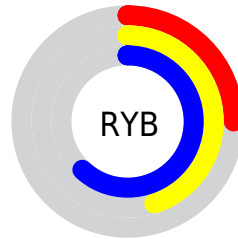
Distribution



Red (25%)

Green (62%)

Blue (56%)



Red (25%)

Yellow (45%)

Blue (62%)

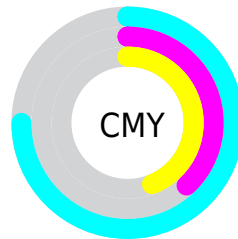


Cyan (60%)

Magenta (0%)

Yellow (9%)

Black (38%)



Cyan (75%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5573, 0.2496, 0.3550 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 27.5573, 0.2496, 0.3550 by changing the saturation by 10% instead.

■ 27.5573, 0.2496,
0.3550

■ 27.5573, 0.2496,
0.3550

■ 290.3454, 0.2836,
0.3411

■ 17.9922, 0.2402,
0.3588

■ 55.7769, 0.2626,
0.3497

■ 10.9444, 0.2277,
0.3638

■ 75.2001, 0.2673,
0.3478

■ 6.0295, 0.2099,
0.3708

■ 98.6783, 0.2712,
0.3462

■ 2.8630, 0.1832,
0.3813

■ 126.5956, 0.2744,
0.3449

■ 1.0606, 0.0943,
0.4186

■ 159.3366, 0.2772,
0.3437

■ 0.0000, 0.0000,
0.0000

197.2857, 0.2797,

0.3427

240.8271, 0.2818,
0.3419

■ 27.5573, 0.2496,
0.3550

■ 27.5573, 0.2496,
0.3550

■ 27.0307, 0.2440,
0.3601

■ 28.2375, 0.2570,
0.3500

■ 26.6416, 0.2402,
0.3653

■ 29.0798, 0.2660,
0.3452

■ 26.3756, 0.2383,
0.3705

■ 30.0956, 0.2764,
0.3406

■ 26.1986, 0.2378,
0.3756

■ 31.2943, 0.2880,
0.3364

■ 26.1904, 0.2377,
0.3759

■ 32.6850, 0.3004,
0.3324

■ 34.2758, 0.3134,
0.3288

■ 36.0746, 0.3267,
0.3256

■ 38.0886, 0.3402,
0.3227

■ 40.3250, 0.3535,
0.3201

Harmonies

Analogous

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



27.5573, 0.2931, 0.4016



27.5573, 0.2496, 0.3550



27.5573, 0.2239, 0.3038

Triad

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



27.5573, 0.2496, 0.3550



27.5573, 0.2755, 0.2501



27.5573, 0.4141, 0.3816

Complementary

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



27.5573, 0.2496, 0.3550



11.4831, 0.4641, 0.3079

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.



27.5573, 0.4103, 0.3415



27.5573, 0.2496, 0.3550



27.5573, 0.3264, 0.2693

Square

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



27.5573, 0.2496, 0.3550



27.5573, 0.2380, 0.2481



27.5573, 0.3772, 0.3017



27.5573, 0.3889, 0.4129

Rectangle

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



27.5573, 0.2496, 0.3550



27.5573, 0.2189, 0.2765



27.5573, 0.3772, 0.3017



27.5573, 0.4163, 0.3687

Sweetspot

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



27.5584, 0.2496, 0.3550



57.1022, 0.2894, 0.3359



26.4478, 0.3144, 0.5102



12.7276, 0.2860, 0.3370



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.5584, 0.2496, 0.3550



48.8577, 0.2427, 0.3616



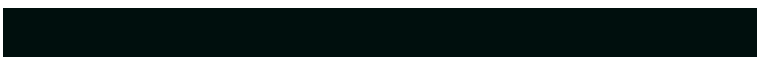
18.2490, 0.2268, 0.2648



7.4925, 0.3007, 0.3323



20.9795, 0.2376, 0.3754



0.3793, 0.2319, 0.3548

Inverse Universe

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



11.4831, 0.4641, 0.3079



17.0265, 0.5181, 0.3071



16.1677, 0.4549, 0.3812



6.6614, 0.3262, 0.3257



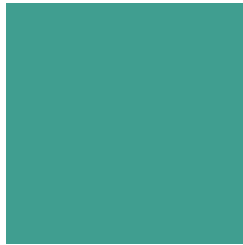
5.8768, 0.6159, 0.3166



0.1091, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 27.5573, 0.2496, 0.3550 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 27.5573, 0.2496, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

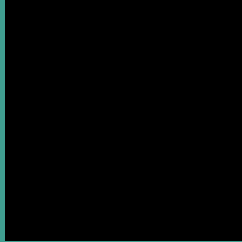
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5573, 0.2496, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 27.5573, 0.2496, 0.3550.

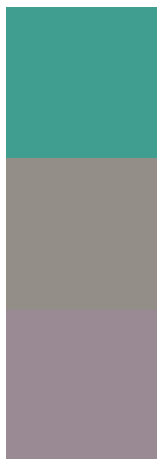


This preview shows how white text looks on a background with the Yxy color 27.5573, 0.2496, 0.3550.

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

27.5573, 0.2496, 0.3550

Protanopia

27.2983, 0.3252, 0.3404

Deuteranopia

27.0874, 0.3189, 0.3133



Tritanopia

27.6492, 0.2386, 0.3077

Trichromacy



Original Color

27.5573, 0.2496, 0.3550

Protanomaly

26.7967, 0.2911, 0.3465

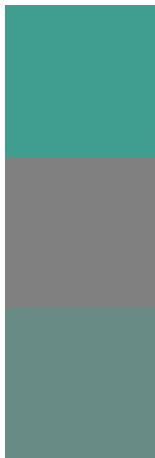
Deuteranomaly

26.4223, 0.2867, 0.3255

Tritanomaly

27.5822, 0.2424, 0.3234

Monochromacy



Original Color

27.5573, 0.2496, 0.3550

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.1897, 0.2824, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5573, 0.2496, 0.3550 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(64, 158, 144)` looks like.

```
.text, #text, p{  
    color:rgb(64, 158, 144)  
}
```

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(64, 158, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 158, 144) }
```

Border

The CSS property to change the border of an element to Yxy 27.5573, 0.2496, 0.3550 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(64, 158, 144) }
```

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

```
.border{ border-color:rgb(64, 158, 144) }
```

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

Here you see how a box with a 4 pixel rgb(64, 158, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 158, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 158, 144);  
box-shadow:4px 4px 4px 4px rgb(64, 158,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5573, 0.2496, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 158, 144) }
```

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

```
.background{ background-color: rgb(64, 158,  
144) }
```

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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