

Converting Colors

$Yxy(27.8384, 0.2509, 0.3554)$

Have a look what the booklet for
Yxy(27.8384, 0.2509, 0.3554)
contains.

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Color

Yxy(27.9681, 0.2510, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	429F90
RGB	66, 159, 144
RGB Percent	26%, 62%, 56%
CMY	0.7414, 0.3764, 0.4353
CMYK	0.59, 0.00, 0.09, 0.38
HSL	170°, 41%, 44%
HSV	170°, 59%, 62%
XYZ	19.6749, 27.9681, 30.7430
YIQ	129.4830, -50.6130, -24.3810

Conversions

Conversions Part 2

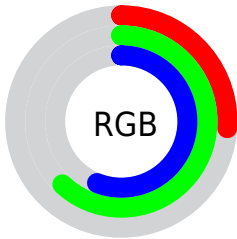
Format	Color
RYB	66, 117, 159
Decimal	4366224
CIELab	59.86, -31.21, -0.41
CIElCh	60, 31.210, 180.761
Yxy	27.9681, 0.2510, 0.3568
Android (android.graphics.Color)	4282556304 (0xFF429F90)
YUV	129.4830, 7.1569, -55.6746
Hunter-Lab	52.8849, -26.1408, 2.5530

Details

The Yxy color **27.9681, 0.2510, 0.3568** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8542, 0.4580, 0.3062**, and the grayscale version is **22.1134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3813, 0.2636, 0.3505**, and **11.3235, 0.2348, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **27.4146, 0.2453, 0.3624**, and if you desaturate by 10%, it is **28.6790, 0.2585, 0.3514**.

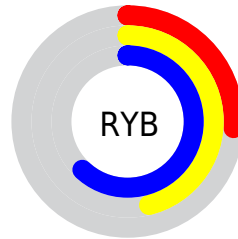
Distribution



Red (26%)

Green (62%)

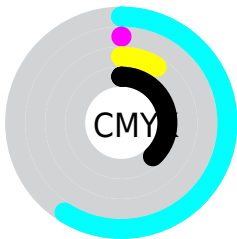
Blue (56%)



Red (26%)

Yellow (46%)

Blue (62%)

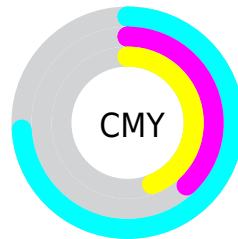


Cyan (59%)

Magenta (0%)

Yellow (9%)

Black (38%)



Cyan (74%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9681, 0.2510, 0.3568 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 27.9681, 0.2510, 0.3568 by changing the saturation by 10% instead.


 27.9681, 0.2510,
0.3568

 27.9681, 0.2510,
0.3568


292.3145, 0.2842,
0.3419


 18.3016, 0.2419,
0.3609


 56.4335, 0.2637,
0.3511


 11.1667, 0.2296,
0.3663


 76.0012, 0.2683,
0.3491

 6.1791, 0.2123,
0.3740

 99.6381, 0.2721,
0.3474

 2.9543, 0.1863,
0.3855

 127.7286, 0.2753,
0.3459

 1.1079, 0.1051,
0.4222

 160.6571, 0.2780,
0.3447

 0.0000, 0.0000,
0.0000

198.8080, 0.2804,

0.3436

242.5656, 0.2824,
0.3427

■ 27.9681, 0.2510,
0.3568

■ 27.9681, 0.2510,
0.3568

■ 27.4146, 0.2453,
0.3624

■ 28.6790, 0.2585,
0.3514

■ 27.0022, 0.2414,
0.3680

■ 29.5558, 0.2675,
0.3461

■ 26.7166, 0.2394,
0.3737

■ 30.6098, 0.2779,
0.3412

■ 26.5285, 0.2390,
0.3793

■ 31.8509, 0.2894,
0.3366

■ 26.5030, 0.2389,
0.3802

■ 33.2878, 0.3018,
0.3323

■ 34.9290, 0.3146,
0.3285

■ 36.7824, 0.3278,
0.3250

■ 38.8552, 0.3411,
0.3218

■ 41.1547, 0.3542,
0.3191

Harmonies

Analogous

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



27.9681, 0.2949, 0.4027



27.9681, 0.2510, 0.3568



27.9681, 0.2246, 0.3055

Triad

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



27.9681, 0.2510, 0.3568



27.9681, 0.2740, 0.2499



27.9681, 0.4143, 0.3802

Complementary

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



27.9681, 0.2510, 0.3568



11.8542, 0.4580, 0.3062

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.



27.9681, 0.4094, 0.3400



27.9681, 0.2510, 0.3568



27.9681, 0.3245, 0.2685

Square

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



27.9681, 0.2510, 0.3568



27.9681, 0.2372, 0.2486



27.9681, 0.3754, 0.3005



27.9681, 0.3901, 0.4120

Rectangle

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



27.9681, 0.2510, 0.3568



27.9681, 0.2191, 0.2778



27.9681, 0.3754, 0.3005



27.9681, 0.4162, 0.3672

Sweetspot

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



27.9692, 0.2510, 0.3568



57.0799, 0.2897, 0.3365



26.9616, 0.3158, 0.5064



12.7218, 0.2864, 0.3377



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.



27.9692, 0.2510, 0.3568



48.8589, 0.2440, 0.3640



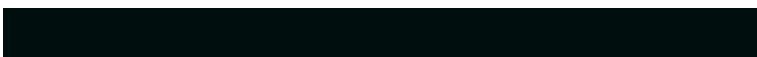
19.0940, 0.2286, 0.2691



7.4911, 0.3009, 0.3326



20.9351, 0.2388, 0.3797



0.3788, 0.2325, 0.3571

Inverse Universe

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



11.8542, 0.4580, 0.3062



17.3027, 0.5106, 0.3049



16.3066, 0.4534, 0.3782



6.6627, 0.3260, 0.3254



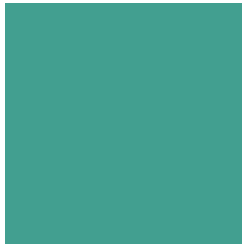
5.8838, 0.6129, 0.3150



0.1095, 0.5311, 0.2700

Previews

White Background



This preview shows how the Yxy color 27.9681, 0.2510, 0.3568 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 27.9681, 0.2510, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

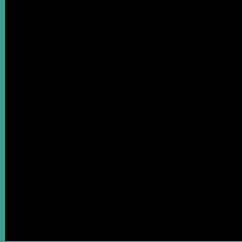
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9681, 0.2510, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 27.9681, 0.2510, 0.3568.

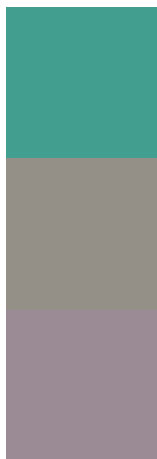


This preview shows how white text looks on a background with the Yxy color 27.9681, 0.2510, 0.3568.

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

27.9681, 0.2510, 0.3568

Protanopia

27.6901, 0.3261, 0.3420

Deuteranopia

27.5719, 0.3210, 0.3150



Tritanopia

28.0999, 0.2395, 0.3079

Trichromacy



Original Color

27.9681, 0.2510, 0.3568

Protanomaly

27.1814, 0.2921, 0.3481

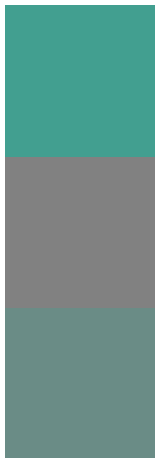
Deuteranomaly

26.8753, 0.2887, 0.3272

Tritanomaly

27.9949, 0.2438, 0.3252

Monochromacy



Original Color

27.9681, 0.2510, 0.3568

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5416, 0.2835, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9681, 0.2510, 0.3568 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(66, 159, 144)` looks like.

```
.text, #text, p{  
    color:rgb(66, 159, 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(66, 159, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 159, 144) }
```

Border

The CSS property to change the border of an element to Yxy 27.9681, 0.2510, 0.3568 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(66, 159, 144) }
```

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

```
.border{ border-color:rgb(66, 159, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 159, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 159, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 159, 144);  
box-shadow:4px 4px 4px 4px rgb(66, 159,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9681, 0.2510, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 159, 144) }
```

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

```
.background{ background-color: rgb(66, 159,  
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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