

Converting Colors

$Y_{xy}(27.9262, 0.2450, 0.3676)$

Have a look what the booklet for
Yxy(27.9262, 0.2450, 0.3676)
contains.

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Color

$\text{Yxy}(27.9937, 0.2448, 0.3669)$

Conversions

Conversions Part 1

Format	Color
Hex	2EA18D
RGB	46, 161, 141
RGB Percent	18%, 63%, 55%
CMY	0.8199, 0.3686, 0.4470
CMYK	0.71, 0.00, 0.12, 0.37
HSL	170°, 56%, 41%
HSV	170°, 71%, 63%
XYZ	18.6777, 27.9937, 29.6265
YIQ	124.3350, -62.1200, -30.6000

Conversions

Conversions Part 2

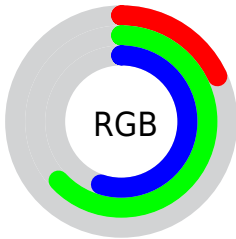
Format	Color
R_{YB}	46, 109, 161
Decimal	3056013
CIE _{Lab}	59.88, -36.39, 1.23
CIE _{LCh}	60, 36.412, 178.059
Yxy	27.9937, 0.2448, 0.3669
Android (android.graphics.Color)	4281246093 (0xFF2EA18D)
YUV	124.3350, 8.2158, -68.6998
Hunter-Lab	52.9091, -29.5776, 3.8369

Details

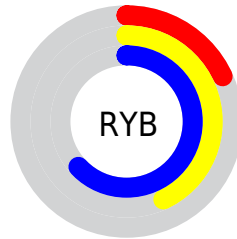
The Yxy color **27.9937, 0.2448, 0.3669** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9177, 0.5085, 0.3029**, and the grayscale version is **20.2547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3031, 0.2587, 0.3578**, and **11.6926, 0.2387, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **27.6069, 0.2416, 0.3730**, and if you desaturate by 10%, it is **28.5249, 0.2499, 0.3608**.

Distribution



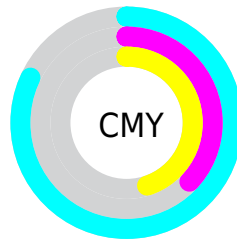
- Red (18%)
- Green (63%)
- Blue (55%)



- Red (18%)
- Yellow (43%)
- Blue (63%)



- Cyan (71%)
- Magenta (0%)
- Yellow (12%)
- Black (37%)





- Cyan (82%)
- Magenta (37%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9937, 0.2448, 0.3669 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 27.9937, 0.2448, 0.3669 by changing the saturation by 10% instead.


 27.9937, 0.2448,
0.3669


 27.9937, 0.2448,
0.3669


292.4368, 0.2814,
0.3463


 18.3209, 0.2347,
0.3726


 56.4744, 0.2588,
0.3590


 11.1806, 0.2212,
0.3804


 76.0511, 0.2638,
0.3562


 6.1885, 0.2021,
0.3914

 99.6978, 0.2680,
0.3538

 2.9600, 0.1735,
0.4082

 127.7991, 0.2715,
0.3518

 1.1109, 0.0638,
0.4678

 160.7392, 0.2746,
0.3502

 0.0000, 0.0000,
0.0000

198.9026, 0.2772,

0.3487

242.6737, 0.2794,
0.3474

■ 27.9937, 0.2448,
0.3669

■ 27.9937, 0.2448,
0.3669

■ 27.6069, 0.2416,
0.3730

■ 28.5249, 0.2499,
0.3608

■ 27.3446, 0.2403,
0.3792

■ 29.2114, 0.2567,
0.3549

■ 27.1868, 0.2401,
0.3844

■ 30.0665, 0.2653,
0.3491

■ 31.1015, 0.2752,
0.3437

■ 32.3265, 0.2863,
0.3386

■ 33.7509, 0.2982,
0.3339

■ 35.3835, 0.3108,
0.3296

■ 37.2325, 0.3238,
0.3257

■ 39.3058, 0.3368,
0.3222

Harmonies

Analogous

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



27.9937, 0.2964, 0.4200



27.9937, 0.2448, 0.3669



27.9937, 0.2130, 0.3056

Triad

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



27.9937, 0.2448, 0.3669



27.9937, 0.2630, 0.2374



27.9937, 0.4318, 0.3826

Complementary

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



27.9937, 0.2448, 0.3669



9.9177, 0.5085, 0.3029

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.



27.9937, 0.4234, 0.3363



27.9937, 0.2448, 0.3669



27.9937, 0.3203, 0.2571

Square

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



27.9937, 0.2448, 0.3669



27.9937, 0.2230, 0.2373



27.9937, 0.3809, 0.2920



27.9937, 0.4055, 0.4218

Rectangle

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



27.9937, 0.2448, 0.3669



27.9937, 0.2055, 0.2726



27.9937, 0.3809, 0.2920



27.9937, 0.4331, 0.3674

Sweetspot

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



27.9948, 0.2448, 0.3669



57.9091, 0.2864, 0.3386



26.8826, 0.3150, 0.5444



12.5692, 0.2834, 0.3398



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.



27.9948, 0.2448, 0.3669



49.1245, 0.2406, 0.3768



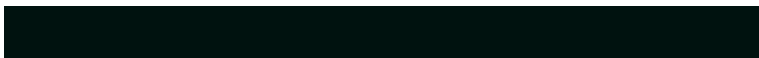
17.7091, 0.2153, 0.2570



7.9900, 0.3010, 0.3329



21.7167, 0.2400, 0.3839



0.4615, 0.2338, 0.3617

Inverse Universe

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



9.9177, 0.5085, 0.3029



14.7937, 0.5733, 0.3073



13.8640, 0.5011, 0.3810



7.1051, 0.3259, 0.3251



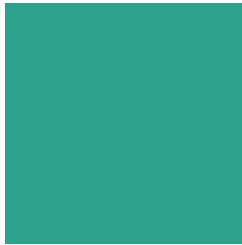
6.1228, 0.6103, 0.3136



0.1339, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 27.9937, 0.2448, 0.3669 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 27.9937, 0.2448, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

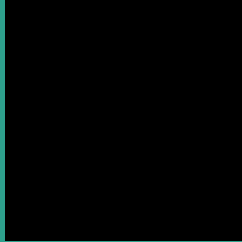
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9937, 0.2448, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 27.9937, 0.2448, 0.3669.

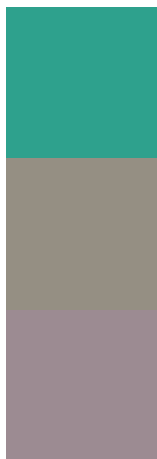


This preview shows how white text looks on a background with the Yxy color 27.9937, 0.2448, 0.3669.

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

27.9937, 0.2448, 0.3669

Protanopia

27.6732, 0.3313, 0.3485

Deuteranopia

27.6085, 0.3242, 0.3181



Tritanopia

28.0083, 0.2319, 0.3059

Trichromacy



Original Color

27.9937, 0.2448, 0.3669



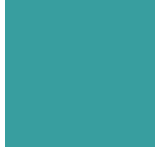
Protanomaly

27.0067, 0.2892, 0.3556



Deuteranomaly

26.5941, 0.2848, 0.3341



Tritanomaly

27.7977, 0.2366, 0.3270

Monochromacy



Original Color

27.9937, 0.2448, 0.3669



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

21.9898, 0.2772, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9937, 0.2448, 0.3669 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(46, 161, 141)` looks like.

```
.text, #text, p{  
    color:rgb(46, 161, 141)  
}
```

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(46, 161, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 161, 141) }
```

Border

The CSS property to change the border of an element to Yxy 27.9937, 0.2448, 0.3669 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(46, 161, 141) }
```

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

```
.border{ border-color:rgb(46, 161, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 161, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 161, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 161, 141);  
box-shadow:4px 4px 4px 4px rgb(46, 161,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9937, 0.2448, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 161, 141) }
```

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

```
.background{ background-color: rgb(46, 161,  
141) }
```

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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