

Converting Colors

$Y_{xy}(26.8698, 0.2405, 0.3504)$

Have a look what the booklet for
Yxy(26.8698, 0.2405, 0.3504)
contains.

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Color

Yxy(26.7936, 0.2404, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	2F9D92
RGB	47, 157, 146
RGB Percent	18%, 62%, 57%
CMY	0.8160, 0.3843, 0.4275
CMYK	0.70, 0.00, 0.07, 0.38
HSL	174°, 54%, 40%
HSV	174°, 70%, 62%
XYZ	18.4139, 26.7936, 31.3894
YIQ	122.8560, -62.0290, -26.7410

Conversions

Conversions Part 2

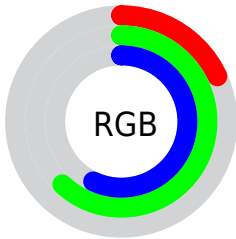
Format	Color
RYB	47, 105, 157
Decimal	3120530
CIELab	58.78, -33.02, -3.18
CIElCh	59, 33.177, 185.509
Yxy	26.7936, 0.2404, 0.3498
Android (android.graphics.Color)	4281310610 (0xFF2F9D92)
YUV	122.8560, 11.4100, -66.5257
Hunter-Lab	51.7625, -27.0852, 0.2796

Details

The Yxy color **26.7936, 0.2404, 0.3498** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5010, 0.5195, 0.3147**, and the grayscale version is **19.7278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5083, 0.2552, 0.3454**, and **10.9477, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **26.4383, 0.2364, 0.3532**, and if you desaturate by 10%, it is **27.2858, 0.2463, 0.3464**.

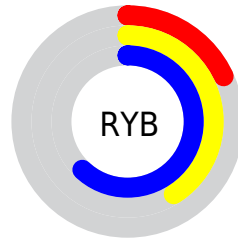
Distribution



Red (18%)

Green (62%)

Blue (57%)



Red (18%)

Yellow (41%)

Blue (62%)

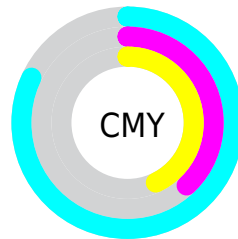


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (38%)



Cyan (82%)


Magenta (38%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7936, 0.2404, 0.3498 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 26.7936, 0.2404, 0.3498 by changing the saturation by 10% instead.


 26.7936, 0.2404,
0.3498

 26.7936, 0.2404,
0.3498


286.6564, 0.2793,
0.3390

 17.4183, 0.2297,
0.3526


 54.5525, 0.2552,
0.3458


 10.5332, 0.2154,
0.3562


 73.7048, 0.2606,
0.3443

 5.7539, 0.1954,
0.3609

 96.8850, 0.2650,
0.3431

 2.6960, 0.1655,
0.3673

 124.4773, 0.2688,
0.3420

 0.9752, 0.0489,
0.4045

 156.8662, 0.2720,
0.3411

 0.0000, 0.0000,
0.0000

194.4361, 0.2748,

0.3403

237.5714, 0.2772,
0.3396

■ 26.7936, 0.2404,
0.3498

■ 26.7936, 0.2404,
0.3498

■ 26.4383, 0.2364,
0.3532

■ 27.2858, 0.2463,
0.3464

■ 26.2016, 0.2342,
0.3566

■ 27.9248, 0.2539,
0.3432

■ 26.0488, 0.2333,
0.3599

■ 28.7230, 0.2632,
0.3400

■ 29.6908, 0.2740,
0.3369

■ 30.8375, 0.2860,
0.3341

■ 32.1720, 0.2989,
0.3314

■ 33.7024, 0.3126,
0.3290

■ 35.4363, 0.3266,
0.3268

■ 37.3810, 0.3408,
0.3249

Harmonies

Analogous

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



26.7936, 0.2849, 0.4026



26.7936, 0.2404, 0.3498



26.7936, 0.2160, 0.2955

Triad

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



26.7936, 0.2404, 0.3498



26.7936, 0.2788, 0.2464



26.7936, 0.4198, 0.3896

Complementary

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



26.7936, 0.2404, 0.3498



9.5010, 0.5195, 0.3147

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.



26.7936, 0.4201, 0.3472



26.7936, 0.2404, 0.3498



26.7936, 0.3343, 0.2689

Square

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



26.7936, 0.2404, 0.3498



26.7936, 0.2366, 0.2417



26.7936, 0.3878, 0.3045



26.7936, 0.3891, 0.4218

Rectangle

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



26.7936, 0.2404, 0.3498



26.7936, 0.2127, 0.2679



26.7936, 0.3878, 0.3045



26.7936, 0.4236, 0.3761

Sweetspot

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



26.7946, 0.2404, 0.3498



54.9360, 0.2844, 0.3344



25.2752, 0.3101, 0.5436



11.9692, 0.2813, 0.3352



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.



26.7946, 0.2404, 0.3498



47.0842, 0.2350, 0.3550



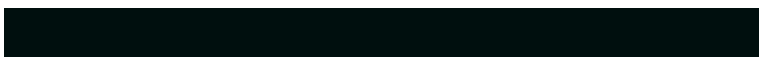
15.2555, 0.2129, 0.2431



7.4980, 0.3001, 0.3312



21.1567, 0.2332, 0.3596



0.3813, 0.2295, 0.3461

Inverse Universe

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



9.5010, 0.5195, 0.3147



14.1338, 0.5845, 0.3177



14.5391, 0.4855, 0.3921



6.6564, 0.3269, 0.3268



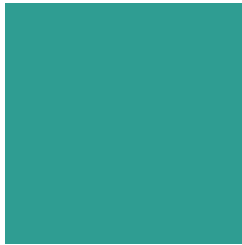
5.8543, 0.6255, 0.3219



0.1075, 0.5663, 0.2893

Previews

White Background



This preview shows how the Yxy color 26.7936, 0.2404, 0.3498 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 26.7936, 0.2404, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

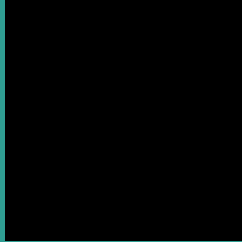
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7936, 0.2404, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 26.7936, 0.2404, 0.3498.

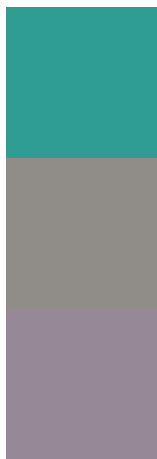


This preview shows how white text looks on a background with the Yxy color 26.7936, 0.2404, 0.3498.

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

26.7936, 0.2404, 0.3498

Protanopia

26.4630, 0.3212, 0.3356

Deuteranopia

26.2944, 0.3138, 0.3068



Tritanopia

26.7639, 0.2317, 0.3072

Trichromacy



Original Color

26.7936, 0.2404, 0.3498

Protanomaly

25.7024, 0.2817, 0.3397

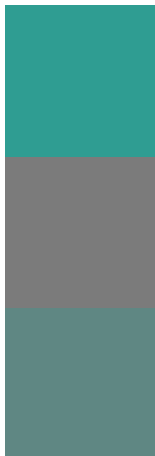
Deuteranomaly

25.6272, 0.2774, 0.3202

Tritanomaly

26.7302, 0.2345, 0.3214

Monochromacy



Original Color

26.7936, 0.2404, 0.3498

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.3995, 0.2750, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7936, 0.2404, 0.3498 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(47, 157, 146)` looks like.

```
.text, #text, p{  
    color:rgb(47, 157, 146)  
}
```

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(47, 157, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 157, 146) }
```

Border

The CSS property to change the border of an element to Yxy 26.7936, 0.2404, 0.3498 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(47, 157, 146) }
```

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

```
.border{ border-color:rgb(47, 157, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 157, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 157, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 157, 146);  
box-shadow:4px 4px 4px 4px rgb(47, 157,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7936, 0.2404, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 157, 146) }
```

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

```
.background{ background-color: rgb(47, 157,  
146) }
```

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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