

Converting Colors

$Yxy(29.3841, 0.2474, 0.3513)$

Have a look what the booklet for
Yxy(29.3841, 0.2474, 0.3513)
contains.

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Color

Yxy(29.4864, 0.2476, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	40A396
RGB	64, 163, 150
RGB Percent	25%, 64%, 59%
CMY	0.7494, 0.3607, 0.4118
CMYK	0.61, 0.00, 0.08, 0.36
HSL	172°, 44%, 44%
HSV	172°, 61%, 64%
XYZ	20.7116, 29.4864, 33.4514
YIQ	131.9170, -54.8310, -25.0310

Conversions

Conversions Part 2

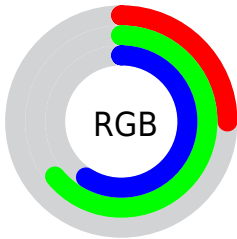
Format	Color
RYB	64, 117, 163
Decimal	4236182
CIELab	61.21, -31.91, -1.83
CIElCh	61, 31.967, 183.290
Yxy	29.4864, 0.2476, 0.3525
Android (android.graphics.Color)	4282426262 (0xFF40A396)
YUV	131.9170, 8.9149, -59.5632
Hunter-Lab	54.3014, -26.9441, 1.4864

Details

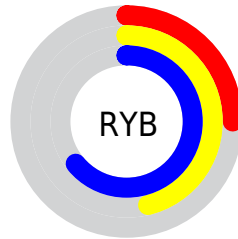
The Yxy color **29.4864, 0.2476, 0.3525** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.9791, 0.4733, 0.3103**, and the grayscale version is **23.0169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6400, 0.2607, 0.3475**, and **12.2697, 0.2337, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **28.9511, 0.2421, 0.3570**, and if you desaturate by 10%, it is **30.1849, 0.2549, 0.3481**.

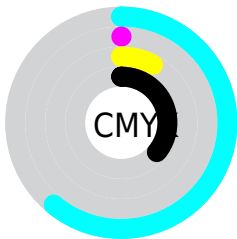
Distribution



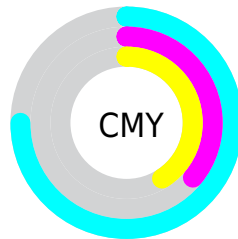
- Red (25%)
- Green (64%)
- Blue (59%)



- Red (25%)
- Yellow (46%)
- Blue (64%)



- Cyan (61%)
- Magenta (0%)
- Yellow (8%)
- Black (36%)





- Cyan (75%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4864, 0.2476, 0.3525 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 29.4864, 0.2476, 0.3525 by changing the saturation by 10% instead.


 29.4864, 0.2476,
0.3525


 29.4864, 0.2476,
0.3525


299.5031, 0.2823,
0.3402

 19.4491, 0.2382,
0.3557


 58.8490, 0.2607,
0.3479

 11.9952, 0.2258,
0.3600


 78.9431, 0.2655,
0.3462

 6.7404, 0.2084,
0.3658


 103.1582, 0.2695,
0.3448

 3.3003, 0.1827,
0.3741

 131.8787, 0.2728,
0.3436

 1.2904, 0.1225,
0.3950

 165.4891, 0.2757,
0.3426

 0.1338, 0.0000,
0.3281

204.3736, 0.2782,

 0.0000, 0.0000,

0.3417

0.0000

248.9168, 0.2803,
0.3409

■ 29.4864, 0.2476,
0.3525

■ 29.4864, 0.2476,
0.3525

■ 28.9511, 0.2421,
0.3570

■ 30.1849, 0.2549,
0.3481

■ 28.5612, 0.2385,
0.3615

■ 31.0557, 0.2639,
0.3438

■ 28.3009, 0.2367,
0.3661

■ 32.1116, 0.2743,
0.3398

■ 28.1398, 0.2362,
0.3702

■ 33.3628, 0.2859,
0.3360

■ 34.8189, 0.2985,
0.3325

■ 36.4891, 0.3116,
0.3292

■ 38.3818, 0.3252,
0.3263

■ 40.5049, 0.3390,
0.3237

■ 42.8661, 0.3527,
0.3214

Harmonies

Analogous

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



29.4864, 0.2906, 0.4001



29.4864, 0.2476, 0.3525



29.4864, 0.2228, 0.3014

Triad

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



29.4864, 0.2476, 0.3525



29.4864, 0.2776, 0.2504



29.4864, 0.4139, 0.3836

Complementary

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



29.4864, 0.2476, 0.3525



11.9791, 0.4733, 0.3103

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.



29.4864, 0.4117, 0.3435



29.4864, 0.2476, 0.3525



29.4864, 0.3291, 0.2704

Square

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



29.4864, 0.2476, 0.3525



29.4864, 0.2391, 0.2475



29.4864, 0.3796, 0.3035



29.4864, 0.3874, 0.4144

Rectangle

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



29.4864, 0.2476, 0.3525



29.4864, 0.2185, 0.2745



29.4864, 0.3796, 0.3035



29.4864, 0.4167, 0.3708

Sweetspot

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



29.4875, 0.2476, 0.3525



60.3473, 0.2889, 0.3351



28.1508, 0.3130, 0.5155



13.3994, 0.2855, 0.3361



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.4875, 0.2476, 0.3525



51.5636, 0.2406, 0.3586



18.8265, 0.2243, 0.2596



7.9952, 0.3004, 0.3320



21.8710, 0.2361, 0.3698



0.4637, 0.2315, 0.3534

Inverse Universe

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



11.9791, 0.4733, 0.3103



17.4278, 0.5316, 0.3101



17.3187, 0.4578, 0.3847



7.1004, 0.3265, 0.3261



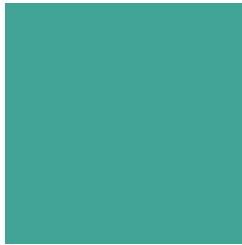
6.0989, 0.6199, 0.3188



0.1323, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 29.4864, 0.2476, 0.3525 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 29.4864, 0.2476, 0.3525 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 29.4864, 0.2476, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 29.4864, 0.2476, 0.3525.



This preview shows how white text looks on a background with the Yxy color 29.4864, 0.2476, 0.3525.

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

29.4864, 0.2476, 0.3525

Protanopia

29.0305, 0.3239, 0.3385

Deuteranopia

28.9482, 0.3178, 0.3108



Tritanopia

29.5752, 0.2370, 0.3066

Trichromacy



Original Color

29.4864, 0.2476, 0.3525



Protanomaly

28.3920, 0.2880, 0.3426



Deuteranomaly

28.3977, 0.2848, 0.3239



Tritanomaly

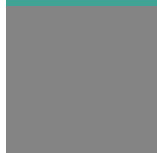
29.5084, 0.2406, 0.3218

Monochromacy



Original Color

29.4864, 0.2476, 0.3525



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.6348, 0.2804, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4864, 0.2476, 0.3525 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, 163, 150)` looks like.

```
.text, #text, p{  
    color:rgb(64, 163, 150)  
}
```

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, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 163, 150) }
```

Border

The CSS property to change the border of an element to Yxy 29.4864, 0.2476, 0.3525 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, 163, 150) }
```

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

```
.border{ border-color:rgb(64, 163, 150) }
```

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

Here you see how a box with a 4 pixel rgb(64, 163, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(64, 163,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4864, 0.2476, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 163, 150) }
```

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

```
.background{ background-color: rgb(64, 163,  
150) }
```

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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