

Converting Colors

$Y_{xy}(28.4268, 0.2495, 0.3422)$

Have a look what the booklet for
Yxy(28.4268, 0.2495, 0.3422)
contains.

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Color

$Y_{xy}(28.4410, 0.2490, 0.3415)$

Conversions

Conversions Part 1

Format	Color
Hex	489F98
RGB	72, 159, 152
RGB Percent	28%, 62%, 60%
CMY	0.7177, 0.3765, 0.4039
CMYK	0.55, 0.00, 0.04, 0.38
HSL	175°, 38%, 45%
HSV	175°, 55%, 62%
XYZ	20.7374, 28.4410, 34.1042
YIQ	132.1890, -49.6050, -20.6210

Conversions

Conversions Part 2

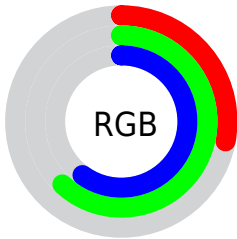
Format	Color
R_{YB}	72, 117, 159
Decimal	4759448
CIE _{Lab}	60.29, -27.81, -4.30
CIE _{LCh}	60, 28.139, 188.788
Y _{xy}	28.4410, 0.2490, 0.3415
Android (android.graphics.Color)	4282949528 (0xFF489F98)
YUV	132.1890, 9.7668, -52.7858
Hunter-Lab	53.3301, -23.9181, -0.5845

Details

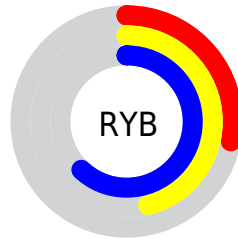
The Yxy color **28.4410, 0.2490, 0.3415** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5685, 0.4568, 0.3185**, and the grayscale version is **23.1228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1386, 0.2619, 0.3395**, and **11.4550, 0.2292, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **27.8665, 0.2420, 0.3441**, and if you desaturate by 10%, it is **29.1762, 0.2577, 0.3389**.

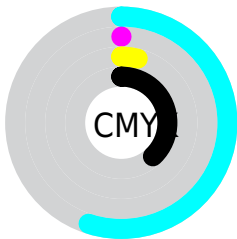
Distribution



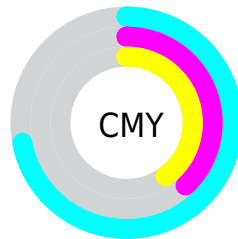
- Red (28%)
- Green (62%)
- Blue (60%)



- Red (28%)
- Yellow (46%)
- Blue (62%)



- Cyan (55%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (72%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4410, 0.2490, 0.3415 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 28.4410, 0.2490, 0.3415 by changing the saturation by 10% instead.

 28.4410, 0.2490,
0.3415


 28.4410, 0.2490,
0.3415


294.5682, 0.2830,
0.3353

 18.6584, 0.2398,
0.3430


 57.1878, 0.2619,
0.3393


 11.4237, 0.2275,
0.3449


 76.9207, 0.2666,
0.3384

 6.3526, 0.2103,
0.3472


 100.7391, 0.2705,
0.3377

 3.0606, 0.1849,
0.3500

 129.0275, 0.2737,
0.3371

 1.1635, 0.1249,
0.3603

 162.1702, 0.2766,
0.3365

 0.0316, 0.0000,
0.0861

200.5516, 0.2790,

 0.0000, 0.0000,

0.3361

0.0000

244.5562, 0.2811,
0.3356

■ 28.4410, 0.2490,
0.3415

■ 28.4410, 0.2490,
0.3415

■ 27.8665, 0.2420,
0.3441

■ 29.1762, 0.2577,
0.3389

■ 27.4369, 0.2369,
0.3468

■ 30.0800, 0.2680,
0.3364

■ 27.1389, 0.2336,
0.3495

■ 31.1634, 0.2797,
0.3341

■ 26.9550, 0.2321,
0.3522

■ 32.4360, 0.2925,
0.3319

■ 26.8798, 0.2316,
0.3536

■ 33.9062, 0.3061,
0.3299

■ 35.5824, 0.3202,
0.3281

■ 37.4722, 0.3347,
0.3264

■ 39.5828, 0.3492,
0.3249

■ 41.9212, 0.3637,
0.3236

Harmonies

Analogous

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



28.4410, 0.2853, 0.3853



28.4410, 0.2490, 0.3415



28.4410, 0.2299, 0.2976

Triad

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



28.4410, 0.2490, 0.3415



28.4410, 0.2894, 0.2603



28.4410, 0.4006, 0.3846

Complementary

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



28.4410, 0.2490, 0.3415



12.5685, 0.4568, 0.3185

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.



28.4410, 0.4033, 0.3496



28.4410, 0.2490, 0.3415



28.4410, 0.3363, 0.2810

Square

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



28.4410, 0.2490, 0.3415



28.4410, 0.2518, 0.2548



28.4410, 0.3792, 0.3127



28.4410, 0.3733, 0.4086

Rectangle

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



28.4410, 0.2490, 0.3415



28.4410, 0.2284, 0.2753



28.4410, 0.3792, 0.3127



28.4410, 0.4045, 0.3736

Sweetspot

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



28.4421, 0.2490, 0.3415



57.7039, 0.2904, 0.3322



26.9379, 0.3102, 0.4971



12.9066, 0.2879, 0.3327



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.



28.4421, 0.2490, 0.3415



49.6851, 0.2406, 0.3448



17.9836, 0.2303, 0.2591



7.5003, 0.2998, 0.3308



21.2322, 0.2315, 0.3533



0.3821, 0.2285, 0.3426

Inverse Universe

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



12.5685, 0.4568, 0.3185



18.2064, 0.5114, 0.3177



18.6155, 0.4337, 0.3871



6.6544, 0.3272, 0.3272



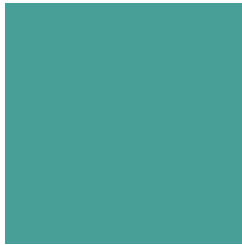
5.8471, 0.6286, 0.3237



0.1068, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 28.4410, 0.2490, 0.3415 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 28.4410, 0.2490, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

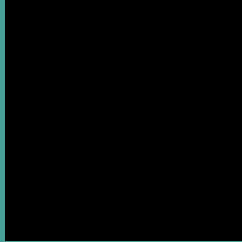
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4410, 0.2490, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 28.4410, 0.2490, 0.3415.

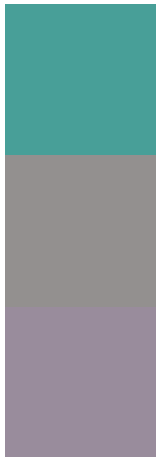


This preview shows how white text looks on a background with the Yxy color 28.4410, 0.2490, 0.3415.

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

28.4410, 0.2490, 0.3415

Protanopia

28.1327, 0.3169, 0.3306

Deuteranopia

27.9288, 0.3107, 0.3043



Tritanopia

28.2612, 0.2405, 0.3063

Trichromacy



Original Color

28.4410, 0.2490, 0.3415

Protanomaly

27.5633, 0.2870, 0.3341

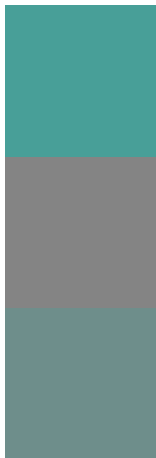
Deuteranomaly

27.5191, 0.2828, 0.3156

Tritanomaly

28.2948, 0.2435, 0.3182

Monochromacy



Original Color

28.4410, 0.2490, 0.3415

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.5251, 0.2831, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4410, 0.2490, 0.3415 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(72, 159, 152)` looks like.

```
.text, #text, p{  
    color:rgb(72, 159, 152)  
}
```

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(72, 159, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 159, 152) }
```

Border

The CSS property to change the border of an element to Yxy 28.4410, 0.2490, 0.3415 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(72, 159, 152) }
```

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

```
.border{ border-color:rgb(72, 159, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 159, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 159, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 159, 152);  
box-shadow:4px 4px 4px 4px rgb(72, 159,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4410, 0.2490, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 159, 152) }
```

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

```
.background{ background-color: rgb(72, 159,  
152) }
```

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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