

Converting Colors

$Y_{xy}(29.7196, 0.2440, 0.3354)$

Have a look what the booklet for
Yxy(29.7196, 0.2440, 0.3354)
contains.

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Color

$\text{Yxy}(29.5728, 0.2436, 0.3341)$

Conversions

Conversions Part 1

Format	Color
Hex	44A29F
RGB	68, 162, 159
RGB Percent	27%, 64%, 62%
CMY	0.7334, 0.3647, 0.3764
CMYK	0.58, 0.00, 0.02, 0.36
HSL	178°, 41%, 45%
HSV	178°, 58%, 64%
XYZ	21.5622, 29.5728, 37.3798
YIQ	133.5520, -55.0610, -20.8610

Conversions

Conversions Part 2

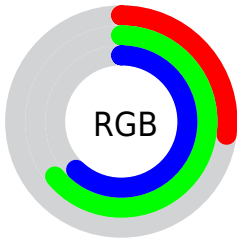
Format	Color
R_{YB}	68, 116, 162
Decimal	4498079
CIE _{Lab}	61.28, -28.18, -6.79
CIE _{LCh}	61, 28.982, 193.556
Yxy	29.5728, 0.2436, 0.3341
Android (android.graphics.Color)	4282688159 (0xFF44A29F)
YUV	133.5520, 12.5459, -57.4891
Hunter-Lab	54.3809, -24.3907, -2.6876

Details

The Yxy color **29.5728, 0.2436, 0.3341** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.2684, 0.4797, 0.3251**, and the grayscale version is **23.6349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9164, 0.2573, 0.3327**, and **12.2346, 0.2261, 0.3340** is the 20% darker color. If you saturate the color by 10%, you get **29.0521, 0.2369, 0.3351**, and if you desaturate by 10%, it is **30.2568, 0.2521, 0.3331**.

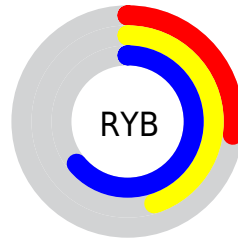
Distribution



Red (27%)

Green (64%)

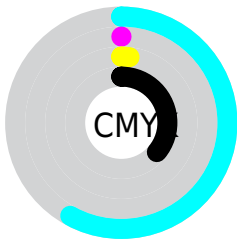
Blue (62%)



Red (27%)

Yellow (45%)

Blue (64%)

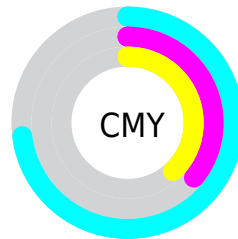


Cyan (58%)

Magenta (0%)

Yellow (2%)

Black (36%)



Cyan (73%)

Magenta (36%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5728, 0.2436, 0.3341 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 29.5728, 0.2436, 0.3341 by changing the saturation by 10% instead.

 29.5728, 0.2436,
0.3341


 29.5728, 0.2436,
0.3341


299.9081, 0.2801,
0.3321

 19.5146, 0.2339,
0.3343


 58.9859, 0.2573,
0.3336


 12.0427, 0.2210,
0.3344

 79.1096, 0.2623,
0.3333


 6.7727, 0.2033,
0.3342


 103.3572, 0.2665,
0.3331

 3.3204, 0.1774,
0.3328

 132.1131, 0.2701,
0.3328

 1.3012, 0.1273,
0.3316

 165.7618, 0.2731,
0.3326

 0.1421, 0.0000,
0.1842

204.6876, 0.2757,

 0.0000, 0.0000,

0.3324

0.0000

249.2749, 0.2781,
0.3323

■ 29.5728, 0.2436,
0.3341

■ 29.5728, 0.2436,
0.3341

■ 29.0521, 0.2369,
0.3351

■ 30.2568, 0.2521,
0.3331

■ 28.6776, 0.2321,
0.3361

■ 31.1127, 0.2623,
0.3322

■ 28.4347, 0.2291,
0.3371

■ 32.1527, 0.2740,
0.3312

■ 28.2953, 0.2276,
0.3382

■ 33.3867, 0.2870,
0.3304

■ 28.2713, 0.2273,
0.3383

■ 34.8240, 0.3009,
0.3296

■ 36.4733, 0.3156,
0.3289

■ 38.3429, 0.3308,
0.3282

■ 40.4404, 0.3461,
0.3276

■ 42.7734, 0.3614,
0.3271

Harmonies

Analogous

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



29.5728, 0.2781, 0.3800



29.5728, 0.2436, 0.3341



29.5728, 0.2274, 0.2909

Triad

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



29.5728, 0.2436, 0.3341



29.5728, 0.2962, 0.2617



29.5728, 0.3991, 0.3903

Complementary

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



29.5728, 0.2436, 0.3341



12.2684, 0.4797, 0.3251

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.



29.5728, 0.4062, 0.3558



29.5728, 0.2436, 0.3341



29.5728, 0.3443, 0.2848

Square

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



29.5728, 0.2436, 0.3341



29.5728, 0.2559, 0.2534



29.5728, 0.3858, 0.3181



29.5728, 0.3681, 0.4120

Rectangle

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



29.5728, 0.2436, 0.3341



29.5728, 0.2281, 0.2702



29.5728, 0.3858, 0.3181



29.5728, 0.4045, 0.3797

Sweetspot

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



29.5739, 0.2436, 0.3341



60.7823, 0.2879, 0.3303



27.6030, 0.3063, 0.5103



13.5489, 0.2854, 0.3305



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.



29.5739, 0.2436, 0.3341



52.4876, 0.2351, 0.3355



16.8239, 0.2237, 0.2444



8.0074, 0.2992, 0.3297



22.2731, 0.2273, 0.3383



0.4691, 0.2263, 0.3346

Inverse Universe

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



12.2684, 0.4797, 0.3251



17.9750, 0.5410, 0.3252



19.6561, 0.4389, 0.3971



7.0894, 0.3280, 0.3283



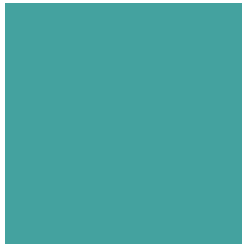
6.0617, 0.6356, 0.3275



0.1284, 0.6151, 0.3162

Previews

White Background



This preview shows how the Yxy color 29.5728, 0.2436, 0.3341 looks on a white background.

Color Contrast Check

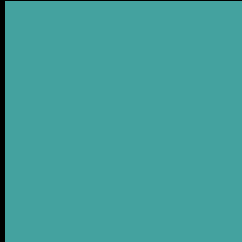
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5728, 0.2436, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

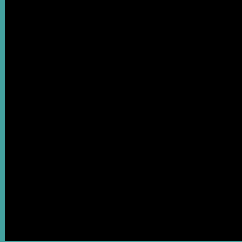
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5728, 0.2436, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 29.5728, 0.2436, 0.3341.

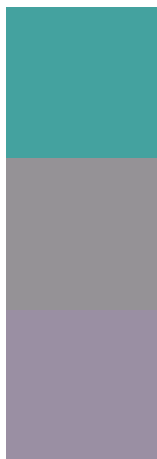


This preview shows how white text looks on a background with the Yxy color 29.5728, 0.2436, 0.3341.

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

29.5728, 0.2436, 0.3341

Protanopia

29.1493, 0.3120, 0.3227

Deuteranopia

29.1593, 0.3048, 0.2987



Tritanopia

29.6146, 0.2375, 0.3066

Trichromacy



Original Color

29.5728, 0.2436, 0.3341

Protanomaly

28.7495, 0.2814, 0.3272

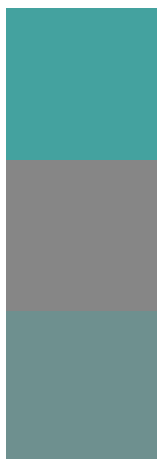
Deuteranomaly

28.6323, 0.2765, 0.3092

Tritanomaly

29.6946, 0.2398, 0.3167

Monochromacy



Original Color

29.5728, 0.2436, 0.3341

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2447, 0.2798, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5728, 0.2436, 0.3341 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(68, 162, 159)` looks like.

```
.text, #text, p{  
  color:rgb(68, 162, 159)  
}
```

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(68, 162, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 162, 159) }
```

Border

The CSS property to change the border of an element to Yxy 29.5728, 0.2436, 0.3341 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(68, 162, 159) }
```

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

```
.border{ border-color:rgb(68, 162, 159) }
```

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

Here you see how a box with a 4 pixel rgb(68, 162, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 162, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 162, 159);  
box-shadow:4px 4px 4px 4px rgb(68, 162,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5728, 0.2436, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 162, 159) }
```

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

```
.background{ background-color: rgb(68, 162,  
159) }
```

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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