

Converting Colors

$Yxy(29.3816, 0.2361, 0.3103)$

Have a look what the booklet for
Yxy(29.3816, 0.2361, 0.3103)
contains.

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Color

$\text{Yxy}(29.3471, 0.2362, 0.3098)$

Conversions

Conversions Part 1

Format	Color
Hex	45A0AB
RGB	69, 160, 171
RGB Percent	27%, 63%, 67%
CMY	0.7294, 0.3725, 0.3295
CMYK	0.60, 0.06, 0.00, 0.33
HSL	186°, 42%, 47%
HSV	186°, 60%, 67%
XYZ	22.3750, 29.3471, 43.0070
YIQ	134.0450, -57.7670, -15.8710

Conversions

Conversions Part 2

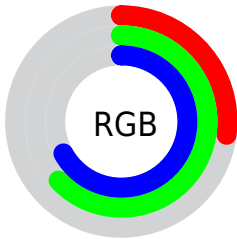
Format	Color
R_{YB}	69, 117, 171
Decimal	4563115
CIE _{Lab}	61.09, -23.54, -13.83
CIE _{LCh}	61, 27.305, 210.442
Yxy	29.3471, 0.2362, 0.3098
Android (android.graphics.Color)	4282753195 (0xFF45A0AB)
YUV	134.0450, 18.2188, -57.0445
Hunter-Lab	54.1730, -21.0769, -9.1483

Details

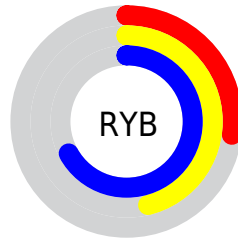
The Yxy color **29.3471, 0.2362, 0.3098** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8230, 0.4827, 0.3451**, and the grayscale version is **23.8064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6039, 0.2513, 0.3148**, and **12.0570, 0.2169, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **28.1764, 0.2283, 0.3061**, and if you desaturate by 10%, it is **30.7096, 0.2459, 0.3134**.

Distribution



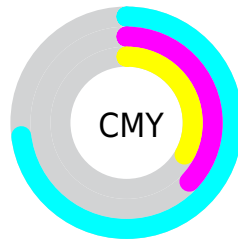
- Red (27%)
- Green (63%)
- Blue (67%)



- Red (27%)
- Yellow (46%)
- Blue (67%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)




- Cyan (73%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3471, 0.2362, 0.3098 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 29.3471, 0.2362, 0.3098 by changing the saturation by 10% instead.


 29.3471, 0.2362,
0.3098

 29.3471, 0.2362,
0.3098


298.8492, 0.2763,
0.3212


 19.3436, 0.2257,
0.3063


 58.6281, 0.2512,
0.3144

 11.9188, 0.2118,
0.3013


 78.6744, 0.2567,
0.3160


 6.6884, 0.1930,
0.2939


 102.8370, 0.2613,
0.3173

 3.2680, 0.1661,
0.2818

 131.5003, 0.2652,
0.3183

 1.2732, 0.1212,
0.2607

 165.0488, 0.2686,
0.3192

 0.1203, 0.0000,
0.0982

203.8669, 0.2715,

 0.0000, 0.0000,

0.3200

0.0000

248.3389, 0.2740,
0.3206

■ 29.3471, 0.2362,
0.3098

■ 29.3471, 0.2362,
0.3098

■ 28.1764, 0.2283,
0.3061

■ 30.7096, 0.2459,
0.3134

■ 27.1782, 0.2223,
0.3024

■ 32.2748, 0.2572,
0.3169

■ 26.3349, 0.2181,
0.2987

■ 34.0564, 0.2698,
0.3203

■ 25.6073, 0.2154,
0.2951

■ 36.0661, 0.2836,
0.3235

■ 25.5817, 0.2153,
0.2950

■ 38.3146, 0.2982,
0.3264

■ 40.8121, 0.3133,
0.3291

■ 43.5681, 0.3286,
0.3315

■ 46.5914, 0.3440,
0.3337

■ 49.8906, 0.3592,
0.3357

Harmonies

Analogous

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



29.3471, 0.2598, 0.3535



29.3471, 0.2362, 0.3098



29.3471, 0.2317, 0.2760

Triad

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



29.3471, 0.2362, 0.3098



29.3471, 0.3227, 0.2760



29.3471, 0.3802, 0.4008

Complementary

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



29.3471, 0.2362, 0.3098



14.8230, 0.4827, 0.3451

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.



29.3471, 0.4005, 0.3740



29.3471, 0.2362, 0.3098



29.3471, 0.3663, 0.3041

Square

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



29.3471, 0.2362, 0.3098



29.3471, 0.2790, 0.2597



29.3471, 0.3956, 0.3390



29.3471, 0.3424, 0.4093

Rectangle

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



29.3471, 0.2362, 0.3098



29.3471, 0.2397, 0.2628



29.3471, 0.3956, 0.3390



29.3471, 0.3894, 0.3934

Sweetspot

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



29.3482, 0.2362, 0.3098



65.1098, 0.2855, 0.3239



30.9546, 0.2982, 0.5006



14.2786, 0.2814, 0.3230



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.3482, 0.2362, 0.3098



49.7862, 0.2259, 0.3048



15.3145, 0.2153, 0.2147



8.9225, 0.2986, 0.3265



19.3342, 0.2154, 0.2953



0.5790, 0.2184, 0.3064

Inverse Universe

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



15.4523, 0.3341, 0.2043



23.3546, 0.3398, 0.1855



25.1042, 0.4306, 0.4178



8.1330, 0.3153, 0.3090



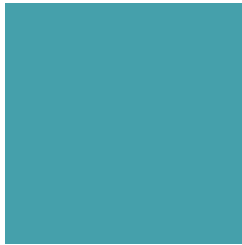
8.2548, 0.3496, 0.1699



0.2338, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 29.3471, 0.2362, 0.3098 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 29.3471, 0.2362, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

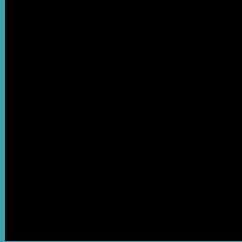
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3471, 0.2362, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 29.3471, 0.2362, 0.3098.

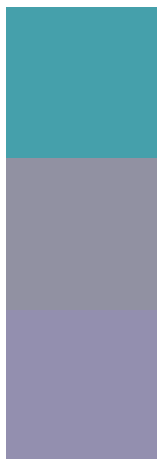


This preview shows how white text looks on a background with the Yxy color 29.3471, 0.2362, 0.3098.

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

29.3471, 0.2362, 0.3098

Protanopia

28.8792, 0.2967, 0.3025

Deuteranopia

28.9431, 0.2870, 0.2807



Tritanopia

29.4608, 0.2355, 0.3065

Trichromacy



Original Color

29.3471, 0.2362, 0.3098

Protanomaly

28.3112, 0.2689, 0.3041

Deuteranomaly

28.4728, 0.2635, 0.2887

Tritanomaly

29.4223, 0.2361, 0.3081

Monochromacy



Original Color

29.3471, 0.2362, 0.3098

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0665, 0.2763, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3471, 0.2362, 0.3098 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(69, 160, 171)` looks like.

```
.text, #text, p{  
    color:rgb(69, 160, 171)  
}
```

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(69, 160, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 160, 171) }
```

Border

The CSS property to change the border of an element to Yxy 29.3471, 0.2362, 0.3098 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(69, 160, 171) }
```

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

```
.border{ border-color:rgb(69, 160, 171) }
```

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

Here you see how a box with a 4 pixel rgb(69, 160, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 160, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 160, 171);  
box-shadow:4px 4px 4px 4px rgb(69, 160,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3471, 0.2362, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 160, 171) }
```

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

```
.background{ background-color: rgb(69, 160,  
171) }
```

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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