

Converting Colors

$Y_{xy}(31.3330, 0.2274, 0.2926)$

Have a look what the booklet for
Yxy(31.3330, 0.2274, 0.2926)
contains.

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Color

Yxy(31.1861, 0.2274, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	40A4BA
RGB	64, 164, 186
RGB Percent	25%, 64%, 73%
CMY	0.7495, 0.3568, 0.2706
CMYK	0.66, 0.12, 0.00, 0.27
HSL	191°, 49%, 49%
HSV	191°, 66%, 73%
XYZ	24.2452, 31.1861, 51.1879
YIQ	136.6080, -66.6620, -14.3580

Conversions

Conversions Part 2

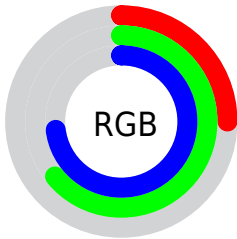
Format	Color
RYB	64, 119, 186
Decimal	4236474
CIELab	62.66, -21.97, -19.88
CIElCh	63, 29.631, 222.149
Yxy	31.1861, 0.2274, 0.2925
Android (android.graphics.Color)	4282426554 (0xFF40A4BA)
YUV	136.6080, 24.3503, -63.6772
Hunter-Lab	55.8445, -20.2312, -15.2549

Details

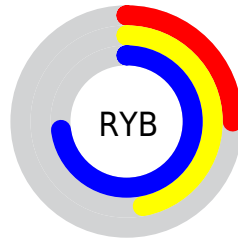
The Yxy color **31.1861, 0.2274, 0.2925** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4372, 0.5014, 0.3571**, and the grayscale version is **24.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4338, 0.2436, 0.3004**, and **13.2818, 0.2110, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **29.4834, 0.2197, 0.2861**, and if you desaturate by 10%, it is **33.1303, 0.2370, 0.2989**.

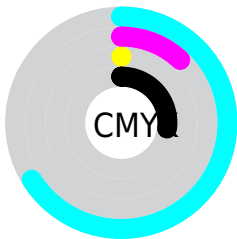
Distribution



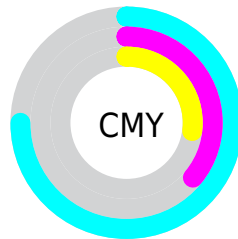
- Red (25%)
- Green (64%)
- Blue (73%)



- Red (25%)
- Yellow (47%)
- Blue (73%)



- Cyan (66%)
- Magenta (12%)
- Yellow (0%)
- Black (27%)



- Cyan (75%)
- Magenta (36%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1861, 0.2274, 0.2925 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 31.1861, 0.2274, 0.2925 by changing the saturation by 10% instead.

■ 31.1861, 0.2274,
0.2925

■ 31.1861, 0.2274,
0.2925

■ 307.3948, 0.2714,
0.3130

■ 20.7406, 0.2162,
0.2866

■ 61.5329, 0.2436,
0.3005

■ 12.9345, 0.2016,
0.2786

■ 82.2031, 0.2496,
0.3034

■ 7.3835, 0.1822,
0.2672

■ 107.0502, 0.2547,
0.3057

■ 3.7031, 0.1553,
0.2497

■ 136.4588, 0.2590,
0.3076

■ 1.5089, 0.1165,
0.2207

■ 170.8131, 0.2627,
0.3093

■ 0.2950, 0.0000,
0.1331

210.4976, 0.2660,

■ 0.0000, 0.0000,

0.3107

0.0000

255.8967, 0.2688,
0.3119

■ 31.1861, 0.2274,
0.2925

■ 31.1861, 0.2274,
0.2925

■ 29.4834, 0.2197,
0.2861

■ 33.1303, 0.2370,
0.2989

■ 27.9970, 0.2139,
0.2796

■ 35.3315, 0.2482,
0.3050

■ 26.7006, 0.2099,
0.2732

■ 37.8077, 0.2608,
0.3109

■ 26.1715, 0.2085,
0.2704

■ 40.5741, 0.2745,
0.3165

■ 43.6448, 0.2891,
0.3217

■ 47.0328, 0.3041,
0.3265

■ 50.7504, 0.3194,
0.3308

■ 54.8092, 0.3346,
0.3347

■ 59.2201, 0.3497,
0.3382

Harmonies

Analogous

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



31.1861, 0.2446, 0.3363



31.1861, 0.2274, 0.2925



31.1861, 0.2308, 0.2635

Triad

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



31.1861, 0.2274, 0.2925



31.1861, 0.3421, 0.2832



31.1861, 0.3702, 0.4118

Complementary

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



31.1861, 0.2274, 0.2925



17.4372, 0.5014, 0.3571

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.



31.1861, 0.4004, 0.3891



31.1861, 0.2274, 0.2925



31.1861, 0.3845, 0.3164

Square

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



31.1861, 0.2274, 0.2925



31.1861, 0.2940, 0.2607



31.1861, 0.4063, 0.3541



31.1861, 0.3258, 0.4109

Rectangle

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



31.1861, 0.2274, 0.2925



31.1861, 0.2443, 0.2545



31.1861, 0.4063, 0.3541



31.1861, 0.3824, 0.4063

Sweetspot

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



31.1872, 0.2274, 0.2925



76.4488, 0.2822, 0.3193



36.8416, 0.2932, 0.5079



16.4928, 0.2781, 0.3179



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.1872, 0.2274, 0.2925



52.1492, 0.2167, 0.2830



14.6481, 0.2021, 0.1853



9.9284, 0.2985, 0.3248



17.7098, 0.2087, 0.2713



0.6970, 0.2133, 0.2877

Inverse Universe

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



16.7712, 0.3492, 0.2035



25.8231, 0.3594, 0.1885



31.1435, 0.4372, 0.4345



9.1343, 0.3164, 0.3105



8.5702, 0.3716, 0.1821



0.3095, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 31.1861, 0.2274, 0.2925 looks on a white background.

Color Contrast Check

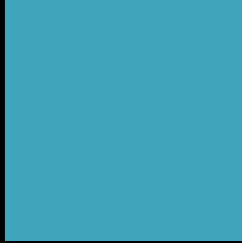
Large Text (above 18pt) WCAG AA × Fail

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 31.1861, 0.2274, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

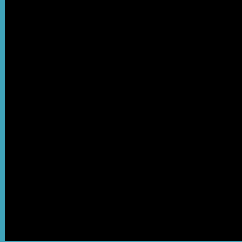
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1861, 0.2274, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 31.1861, 0.2274, 0.2925.



This preview shows how white text looks on a background with the Yxy color 31.1861, 0.2274, 0.2925.

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

31.1861, 0.2274, 0.2925

Protanopia

30.6492, 0.2847, 0.2883

Deuteranopia

30.9173, 0.2733, 0.2677



Tritanopia

31.1256, 0.2300, 0.3052

Trichromacy



Original Color

31.1861, 0.2274, 0.2925

Protanomaly

30.1195, 0.2579, 0.2877

Deuteranomaly

30.4983, 0.2517, 0.2748

Tritanomaly

31.2798, 0.2288, 0.3004

Monochromacy



Original Color

31.1861, 0.2274, 0.2925

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5490, 0.2703, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1861, 0.2274, 0.2925 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, 164, 186)` looks like.

```
.text, #text, p{  
    color:rgb(64, 164, 186)  
}
```

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, 164, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 164, 186) }
```

Border

The CSS property to change the border of an element to Yxy 31.1861, 0.2274, 0.2925 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, 164, 186) }
```

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

```
.border{ border-color:rgb(64, 164, 186) }
```

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

Here you see how a box with a 4 pixel rgb(64, 164, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 164, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 164, 186);  
box-shadow:4px 4px 4px 4px rgb(64, 164,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1861, 0.2274, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 164, 186) }
```

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

```
.background{ background-color: rgb(64, 164,  
186) }
```

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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