

Converting Colors

$Y_{xy}(31.5869, 0.2237, 0.2949)$

Have a look what the booklet for
Yxy(31.5869, 0.2237, 0.2949)
contains.

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Color

Yxy(31.5477, 0.2240, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	34A6BA
RGB	52, 166, 186
RGB Percent	20%, 65%, 73%
CMY	0.7964, 0.3490, 0.2705
CMYK	0.72, 0.11, 0.00, 0.27
HSL	189°, 56%, 47%
HSV	189°, 72%, 73%
XYZ	23.9143, 31.5477, 51.2984
YIQ	134.1940, -74.3640, -17.9480

Conversions

Conversions Part 2

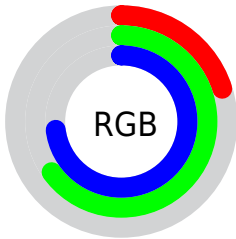
Format	Color
RYB	52, 114, 186
Decimal	3450554
CIELab	62.97, -24.72, -19.47
CIELCh	63, 31.472, 218.227
Yxy	31.5477, 0.2240, 0.2955
Android (android.graphics.Color)	4281640634 (0xFF34A6BA)
YUV	134.1940, 25.5404, -72.0841
Hunter-Lab	56.1673, -22.2930, -14.8332

Details

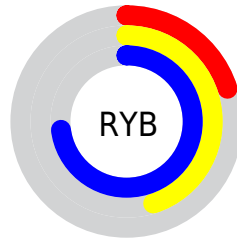
The Yxy color **31.5477, 0.2240, 0.2955** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3175, 0.5333, 0.3523**, and the grayscale version is **23.8332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9056, 0.2407, 0.3027**, and **13.7281, 0.2123, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **30.1505, 0.2179, 0.2902**, and if you desaturate by 10%, it is **33.1634, 0.2320, 0.3008**.

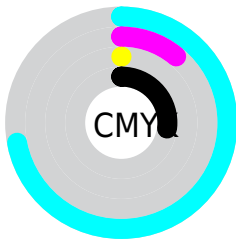
Distribution



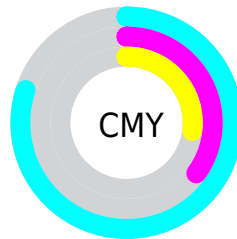
- Red (20%)
- Green (65%)
- Blue (73%)



- Red (20%)
- Yellow (45%)
- Blue (73%)



- Cyan (72%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (80%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5477, 0.2240, 0.2955 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 31.5477, 0.2240, 0.2955 by changing the saturation by 10% instead.

31.5477, 0.2240,
0.2955

31.5477, 0.2240,
0.2955

309.0537, 0.2696,
0.3146

21.0163, 0.2124,
0.2900

62.1013, 0.2408,
0.3030

13.1359, 0.1975,
0.2824

82.8924, 0.2470,
0.3056

7.5222, 0.1776,
0.2715

107.8720, 0.2522,
0.3078

3.7908, 0.1502,
0.2547

137.4247, 0.2567,
0.3096

1.5572, 0.1107,
0.2266

171.9348, 0.2606,
0.3111

0.3285, 0.0000,
0.1452

211.7867, 0.2640,

0.0000, 0.0000,

0.3124

0.0000

257.3649, 0.2669,
0.3136

■ 31.5477, 0.2240,
0.2955

■ 31.5477, 0.2240,
0.2955

■ 30.1505, 0.2179,
0.2902

■ 33.1634, 0.2320,
0.3008

■ 28.9437, 0.2137,
0.2850

■ 35.0146, 0.2417,
0.3059

■ 28.0866, 0.2114,
0.2809

■ 37.1205, 0.2531,
0.3109

■ 39.4973, 0.2659,
0.3157

■ 42.1597, 0.2798,
0.3202

■ 45.1211, 0.2944,
0.3244

■ 48.3944, 0.3095,
0.3282

■ 51.9914, 0.3249,
0.3317

■ 55.9233, 0.3402,
0.3349

Harmonies

Analogous

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



31.5477, 0.2446, 0.3433



31.5477, 0.2240, 0.2955



31.5477, 0.2248, 0.2627

Triad

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



31.5477, 0.2240, 0.2955



31.5477, 0.3370, 0.2770



31.5477, 0.3785, 0.4145

Complementary

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



31.5477, 0.2240, 0.2955



15.3175, 0.5333, 0.3523

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.



31.5477, 0.4078, 0.3877



31.5477, 0.2240, 0.2955



31.5477, 0.3838, 0.3105

Square

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



31.5477, 0.2240, 0.2955



31.5477, 0.2866, 0.2551



31.5477, 0.4104, 0.3499



31.5477, 0.3328, 0.4178

Rectangle

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



31.5477, 0.2240, 0.2955



31.5477, 0.2371, 0.2517



31.5477, 0.4104, 0.3499



31.5477, 0.3907, 0.4075

Sweetspot

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



31.5489, 0.2240, 0.2955



76.2514, 0.2794, 0.3201



36.2974, 0.2949, 0.5331



16.4920, 0.2755, 0.3189



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.



31.5489, 0.2240, 0.2955



53.2057, 0.2151, 0.2869



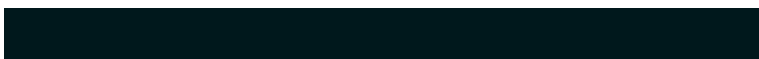
13.6001, 0.1944, 0.1770



9.9760, 0.2985, 0.3255



18.9761, 0.2116, 0.2816



0.7317, 0.2153, 0.2950

Inverse Universe

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



15.6451, 0.3475, 0.1917



24.6197, 0.3566, 0.1794



28.5403, 0.4548, 0.4356



9.1391, 0.3160, 0.3098



8.6980, 0.3620, 0.1768



0.3130, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 31.5477, 0.2240, 0.2955 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 31.5477, 0.2240, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

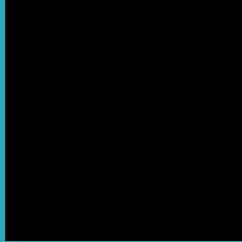
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5477, 0.2240, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 31.5477, 0.2240, 0.2955.

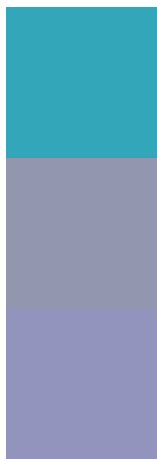


This preview shows how white text looks on a background with the Yxy color 31.5477, 0.2240, 0.2955.

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

31.5477, 0.2240, 0.2955

Protanopia

31.1109, 0.2874, 0.2915

Deuteranopia

31.0085, 0.2741, 0.2678



Tritanopia

31.5611, 0.2262, 0.3068

Trichromacy



Original Color

31.5477, 0.2240, 0.2955

Protanomaly

30.4764, 0.2560, 0.2922

Deuteranomaly

30.5616, 0.2491, 0.2760

Tritanomaly

31.6678, 0.2255, 0.3035

Monochromacy



Original Color

31.5477, 0.2240, 0.2955

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.8007, 0.2667, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5477, 0.2240, 0.2955 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(52, 166, 186)` looks like.

```
.text, #text, p{  
    color:rgb(52, 166, 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(52, 166, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 166, 186) }
```

Border

The CSS property to change the border of an element to Yxy 31.5477, 0.2240, 0.2955 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(52, 166, 186) }
```

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

```
.border{ border-color:rgb(52, 166, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 166, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 166, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 166, 186);  
box-shadow:4px 4px 4px 4px rgb(52, 166,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5477, 0.2240, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 166, 186) }
```

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

```
.background{ background-color: rgb(52, 166,  
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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