

Converting Colors

$Y_{xy}(31.3650, 0.2239, 0.2875)$

Have a look what the booklet for
Yxy(31.3650, 0.2239, 0.2875)
contains.

Yxy(31.5578, 0.2240, 0.2879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5578, 0.2240, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	3BA5BE
RGB	59, 165, 190
RGB Percent	23%, 65%, 75%
CMY	0.7684, 0.3529, 0.2550
CMYK	0.69, 0.13, 0.00, 0.25
HSL	191°, 53%, 49%
HSV	191°, 69%, 75%
XYZ	24.5535, 31.5578, 53.5025
YIQ	136.1560, -71.2010, -14.6970

Conversions

Conversions Part 2

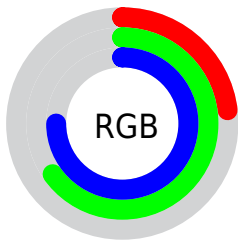
Format	Color
R _{YB}	59, 118, 190
Decimal	3909054
CIE _{Lab}	62.98, -21.97, -21.66
CIE _{LCh}	63, 30.851, 224.586
Yxy	31.5578, 0.2240, 0.2879
Android (android.graphics.Color)	4282099134 (0xFF3BA5BE)
YUV	136.1560, 26.5451, -67.6658
Hunter-Lab	56.1763, -20.2900, -17.1445

Details

The Yxy color **31.5578, 0.2240, 0.2879** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.6075, 0.5140, 0.3592**, and the grayscale version is **24.6061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9778, 0.2408, 0.2969**, and **13.6164, 0.2093, 0.2735** is the 20% darker color. If you saturate the color by 10%, you get **29.7904, 0.2168, 0.2810**, and if you desaturate by 10%, it is **33.5758, 0.2331, 0.2947**.

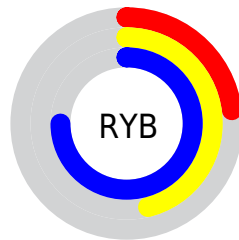
Distribution



Red (23%)

Green (65%)

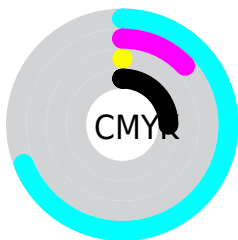
Blue (75%)



Red (23%)

Yellow (46%)

Blue (75%)

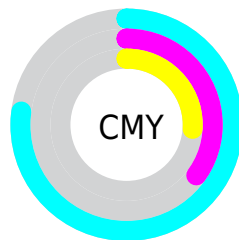


Cyan (69%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (77%)

Magenta (35%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5578, 0.2240, 0.2879 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 31.5578, 0.2240, 0.2879 by changing the saturation by 10% instead.

■ 31.5578, 0.2240,
0.2879

■ 31.5578, 0.2240,
0.2879

■ 309.0999, 0.2695,
0.3108

■ 21.0240, 0.2124,
0.2814

■ 62.1172, 0.2407,
0.2968

■ 13.1415, 0.1976,
0.2726

■ 82.9116, 0.2469,
0.3000

■ 7.5261, 0.1778,
0.2602

■ 107.8949, 0.2522,
0.3026

■ 3.7932, 0.1507,
0.2415

■ 137.4516, 0.2567,
0.3048

■ 1.5586, 0.1122,
0.2110

■ 171.9661, 0.2605,
0.3066

■ 0.3294, 0.0000,
0.1309

211.8227, 0.2639,

■ 0.0000, 0.0000,

0.3082

0.0000

257.4058, 0.2669,
0.3096

■ 31.5578, 0.2240,
0.2879

■ 31.5578, 0.2240,
0.2879

■ 29.7904, 0.2168,
0.2810

■ 33.5758, 0.2331,
0.2947

■ 28.2458, 0.2114,
0.2741

■ 35.8617, 0.2440,
0.3014

■ 26.8829, 0.2078,
0.2673

■ 38.4353, 0.2563,
0.3078

■ 26.7402, 0.2074,
0.2666

■ 41.3131, 0.2698,
0.3138

■ 44.5104, 0.2842,
0.3195

■ 48.0413, 0.2991,
0.3247

■ 51.9190, 0.3144,
0.3295

■ 56.1559, 0.3297,
0.3338

■ 60.7639, 0.3448,
0.3376

Harmonies

Analogous

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



31.5578, 0.2399, 0.3325



31.5578, 0.2240, 0.2879



31.5578, 0.2293, 0.2595

Triad

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



31.5578, 0.2240, 0.2879



31.5578, 0.3472, 0.2841



31.5578, 0.3688, 0.4158

Complementary

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



31.5578, 0.2240, 0.2879



17.6075, 0.5140, 0.3592

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.



31.5578, 0.4018, 0.3936



31.5578, 0.2240, 0.2879



31.5578, 0.3900, 0.3189

Square

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



31.5578, 0.2240, 0.2879



31.5578, 0.2971, 0.2598



31.5578, 0.4104, 0.3579



31.5578, 0.3221, 0.4128

Rectangle

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



31.5578, 0.2240, 0.2879



31.5578, 0.2442, 0.2514



31.5578, 0.4104, 0.3579



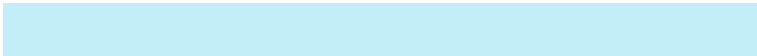
31.5578, 0.3819, 0.4107

Sweetspot

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



31.5590, 0.2240, 0.2879



79.2161, 0.2806, 0.3182



38.3767, 0.2919, 0.5144



17.0351, 0.2766, 0.3166



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.5590, 0.2240, 0.2879



52.4283, 0.2136, 0.2773



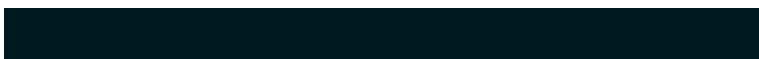
13.8617, 0.1960, 0.1730



10.4917, 0.2985, 0.3245



17.8929, 0.2076, 0.2675



0.7819, 0.2122, 0.2838

Inverse Universe

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



16.7950, 0.3537, 0.2007



26.0601, 0.3651, 0.1876



32.6054, 0.4417, 0.4405



9.6642, 0.3166, 0.3106



8.8360, 0.3752, 0.1841



0.3543, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 31.5578, 0.2240, 0.2879 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 31.5578, 0.2240, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

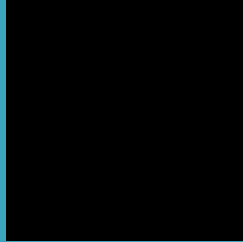
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5578, 0.2240, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 31.5578, 0.2240, 0.2879.

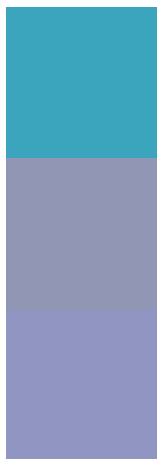


This preview shows how white text looks on a background with the Yxy color 31.5578, 0.2240, 0.2879.

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

31.5578, 0.2240, 0.2879

Protanopia

31.1277, 0.2814, 0.2842

Deuteranopia

31.3192, 0.2695, 0.2638



Tritanopia

31.6896, 0.2278, 0.3069

Trichromacy



Original Color

31.5578, 0.2240, 0.2879

Protanomaly

30.4808, 0.2539, 0.2833

Deuteranomaly

30.8037, 0.2473, 0.2705

Tritanomaly

31.5454, 0.2260, 0.2988

Monochromacy



Original Color

31.5578, 0.2240, 0.2879

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.4559, 0.2679, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5578, 0.2240, 0.2879 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(59, 165, 190)` looks like.

```
.text, #text, p{  
    color:rgb(59, 165, 190)  
}
```

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(59, 165, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 165, 190) }
```

Border

The CSS property to change the border of an element to Yxy 31.5578, 0.2240, 0.2879 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(59, 165, 190) }
```

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

```
.border{ border-color:rgb(59, 165, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 165, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 165, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 165, 190);  
box-shadow:4px 4px 4px 4px rgb(59, 165,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5578, 0.2240, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 165, 190) }
```

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

```
.background{ background-color: rgb(59, 165,  
190) }
```

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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