

Converting Colors

$Y_{xy}(31.9921, 0.2407, 0.3219)$

Have a look what the booklet for
Yxy(31.9921, 0.2407, 0.3219)
contains.

Yxy(31.9942, 0.2407, 0.3220)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9942, 0.2407, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	49A7AB
RGB	73, 167, 171
RGB Percent	29%, 65%, 67%
CMY	0.7138, 0.3451, 0.3293
CMYK	0.57, 0.02, 0.00, 0.33
HSL	182°, 40%, 48%
HSV	182°, 57%, 67%
XYZ	23.9162, 31.9942, 43.4505
YIQ	139.3500, -57.3080, -18.6840

Conversions

Conversions Part 2

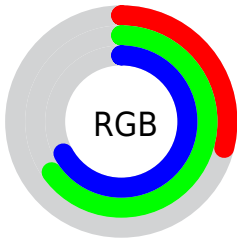
Format	Color
RYB	73, 121, 171
Decimal	4827051
CIELab	63.34, -26.31, -10.46
CIElCh	63, 28.315, 201.670
Yxy	31.9942, 0.2407, 0.3220
Android (android.graphics.Color)	4283017131 (0xFF49A7AB)
YUV	139.3500, 15.6035, -58.1889
Hunter-Lab	56.5634, -23.5126, -5.9506




Details

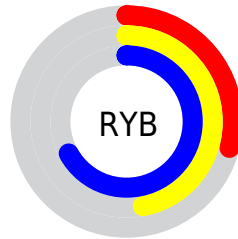
The Yxy color **31.9942, 0.2407, 0.3220** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4452, 0.4792, 0.3352**, and the grayscale version is **25.9137, 0.3127, 0.3290**.




A 20% lighter version of the original color is **62.5588, 0.2547, 0.3238**, and **13.5934, 0.2219, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **31.1614, 0.2332, 0.3206**, and if you desaturate by 10%, it is **33.0144, 0.2500, 0.3233**.

Distribution







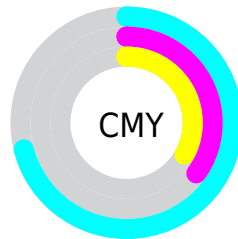
-  Red (29%)
-  Green (65%)
-  Blue (67%)






-  Red (29%)
-  Yellow (47%)
-  Blue (67%)



-  Cyan (57%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (71%)
-  Magenta (35%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9942, 0.2407, 0.3220 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 31.9942, 0.2407, 0.3220 by changing the saturation by 10% instead.


 31.9942, 0.2407,
0.3220


 31.9942, 0.2407,
0.3220


311.0928, 0.2781,
0.3266


 21.3571, 0.2310,
0.3204


 62.8020, 0.2546,
0.3240

 13.3853, 0.2183,
0.3180


 83.7415, 0.2597,
0.3247

 7.6944, 0.2010,
0.3143


 108.8838, 0.2640,
0.3252

 3.9000, 0.1765,
0.3080

 138.6134, 0.2677,
0.3256

 1.6178, 0.1390,
0.2955

 173.3148, 0.2708,
0.3259

 0.3695, 0.0000,
0.2443

213.3722, 0.2736,

 0.0000, 0.0000,

0.3262

0.0000

259.1701, 0.2760,
0.3264

■ 31.9942, 0.2407,
0.3220

■ 31.9942, 0.2407,
0.3220

■ 31.1614, 0.2332,
0.3206

■ 33.0144, 0.2500,
0.3233

■ 30.4970, 0.2276,
0.3193

■ 34.2321, 0.2609,
0.3247

■ 29.9841, 0.2239,
0.3179

■ 35.6610, 0.2734,
0.3259

■ 29.5953, 0.2217,
0.3166

■ 37.3124, 0.2870,
0.3271

■ 29.4990, 0.2212,
0.3163

■ 39.1968, 0.3016,
0.3282

■ 41.3243, 0.3168,
0.3293

■ 43.7042, 0.3324,
0.3302

■ 46.3451, 0.3481,
0.3311

■ 49.2556, 0.3637,
0.3318

Harmonies

Analogous

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



31.9942, 0.2695, 0.3664



31.9942, 0.2407, 0.3220



31.9942, 0.2304, 0.2840

Triad

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



31.9942, 0.2407, 0.3220



31.9942, 0.3092, 0.2694



31.9942, 0.3890, 0.3949

Complementary

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



31.9942, 0.2407, 0.3220



14.4452, 0.4792, 0.3352

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.



31.9942, 0.4025, 0.3644



31.9942, 0.2407, 0.3220



31.9942, 0.3547, 0.2947

Square

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



31.9942, 0.2407, 0.3220



31.9942, 0.2677, 0.2573



31.9942, 0.3899, 0.3284



31.9942, 0.3550, 0.4099

Rectangle

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



31.9942, 0.2407, 0.3220



31.9942, 0.2346, 0.2672



31.9942, 0.3899, 0.3284



31.9942, 0.3962, 0.3859

Sweetspot

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



31.9954, 0.2407, 0.3220



66.8208, 0.2871, 0.3271



31.0722, 0.3024, 0.5045



14.7665, 0.2843, 0.3269



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.



31.9954, 0.2407, 0.3220



55.4237, 0.2314, 0.3202



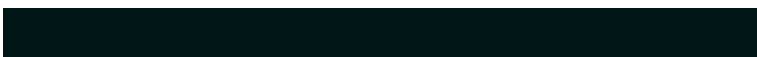
17.4842, 0.2216, 0.2326



9.0151, 0.2987, 0.3280



22.2526, 0.2212, 0.3164



0.6359, 0.2223, 0.3204

Inverse Universe

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



16.2109, 0.3242, 0.2009



24.6709, 0.3267, 0.1810



23.8736, 0.4313, 0.4060



8.1423, 0.3144, 0.3075



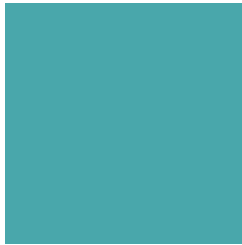
8.5495, 0.3312, 0.1598



0.2395, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 31.9942, 0.2407, 0.3220 looks on a white background.

Color Contrast Check

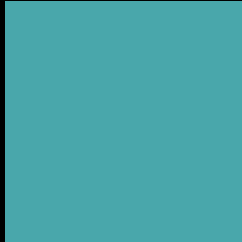
Large Text (above 18pt) WCAG AA × Fail

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 31.9942, 0.2407, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

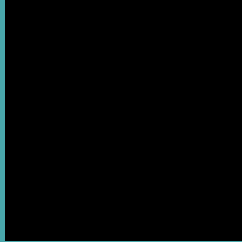
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9942, 0.2407, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 31.9942, 0.2407, 0.3220.

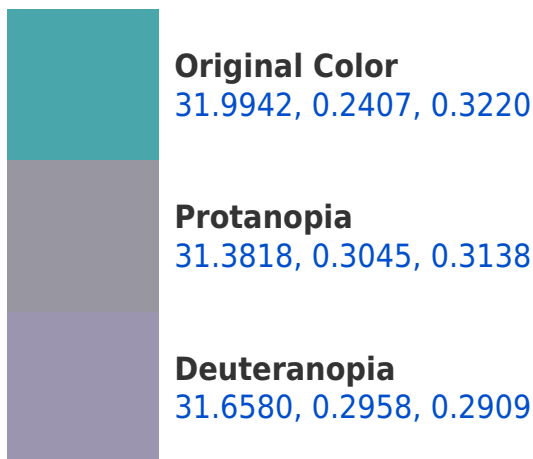


This preview shows how white text looks on a background with the Yxy color 31.9942, 0.2407, 0.3220.

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





Tritanopia

32.0636, 0.2372, 0.3073

Trichromacy



Original Color

31.9942, 0.2407, 0.3220

Protanomaly

31.0415, 0.2751, 0.3160

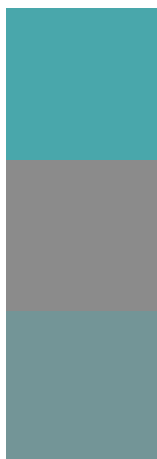
Deuteranomaly

31.2685, 0.2705, 0.3007

Tritanomaly

31.9029, 0.2384, 0.3121

Monochromacy



Original Color

31.9942, 0.2407, 0.3220

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.3741, 0.2783, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9942, 0.2407, 0.3220 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(73, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(73, 167, 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(73, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 167, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.9942, 0.2407, 0.3220 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(73, 167, 171) }
```

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

```
.border{ border-color:rgb(73, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(73, 167,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9942, 0.2407, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 167, 171) }
```

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

```
.background{ background-color: rgb(73, 167,  
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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