

Converting Colors

$Y_{xy}(31.5659, 0.2344, 0.3291)$

Have a look what the booklet for
Yxy(31.5659, 0.2344, 0.3291)
contains.

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Color

Yxy(31.5625, 0.2342, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	34A8A8
RGB	52, 168, 168
RGB Percent	20%, 66%, 66%
CMY	0.7965, 0.3411, 0.3412
CMYK	0.69, 0.00, 0.00, 0.34
HSL	180°, 53%, 43%
HSV	180°, 69%, 66%
XYZ	22.4816, 31.5625, 41.9489
YIQ	133.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

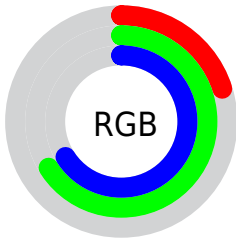
Format	Color
RYB	52, 110, 168
Decimal	3451048
CIELab	62.98, -31.21, -9.36
CIElCh	63, 32.583, 196.690
Yxy	31.5625, 0.2342, 0.3288
Android (android.graphics.Color)	4281641128 (0xFF34A8A8)
YUV	133.3160, 17.0992, -71.3141
Hunter-Lab	56.1805, -26.8862, -4.9444

Details

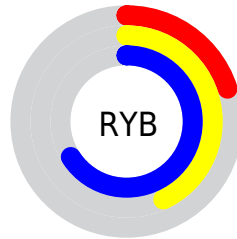
The Yxy color **31.5625, 0.2342, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0193, 0.5382, 0.3296**, and the grayscale version is **23.5213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2839, 0.2493, 0.3301**, and **13.5224, 0.2240, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **31.1953, 0.2294, 0.3288**, and if you desaturate by 10%, it is **32.0906, 0.2408, 0.3288**.

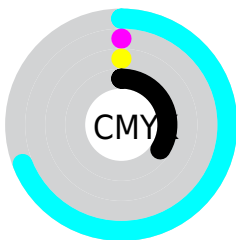
Distribution



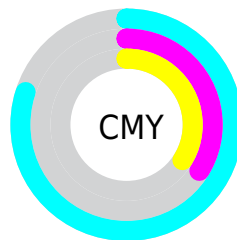
- Red (20%)
- Green (66%)
- Blue (66%)



- Red (20%)
- Yellow (43%)
- Blue (66%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)




- Cyan (80%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5625, 0.2342, 0.3288 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 31.5625, 0.2342, 0.3288 by changing the saturation by 10% instead.


 31.5625, 0.2342,
0.3288


 31.5625, 0.2342,
0.3288


309.1214, 0.2750,
0.3300


 21.0276, 0.2236,
0.3281


 62.1246, 0.2494,
0.3295


 13.1441, 0.2097,
0.3268


 82.9205, 0.2550,
0.3297


 7.5279, 0.1909,
0.3246


 107.9056, 0.2597,
0.3298

 3.7944, 0.1643,
0.3202

 137.4642, 0.2636,
0.3299

 1.5592, 0.1207,
0.3116

 171.9806, 0.2671,
0.3299

 0.3299, 0.0000,
0.2454

211.8394, 0.2701,

 0.0000, 0.0000,

0.3300

0.0000

257.4249, 0.2727,
0.3300

■ 31.5625, 0.2342,
0.3288

■ 31.5625, 0.2342,
0.3288

■ 31.1953, 0.2294,
0.3288

■ 32.0906, 0.2408,
0.3288

■ 30.9677, 0.2264,
0.3288

■ 32.7911, 0.2493,
0.3288

■ 30.8458, 0.2248,
0.3288

■ 33.6788, 0.2596,
0.3289

■ 30.8363, 0.2247,
0.3288

■ 34.7656, 0.2715,
0.3289

■ 36.0625, 0.2847,
0.3289

■ 37.5800, 0.2990,
0.3290

■ 39.3274, 0.3141,
0.3290

■ 41.3139, 0.3297,
0.3290

■ 43.5480, 0.3456,
0.3291

Harmonies

Analogous

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



31.5625, 0.2698, 0.3806



31.5625, 0.2342, 0.3288



31.5625, 0.2192, 0.2827

Triad

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



31.5625, 0.2342, 0.3288



31.5625, 0.2997, 0.2577



31.5625, 0.4049, 0.3990

Complementary

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



31.5625, 0.2342, 0.3288



11.0193, 0.5382, 0.3296

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.



31.5625, 0.4162, 0.3618



31.5625, 0.2342, 0.3288



31.5625, 0.3527, 0.2841

Square

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



31.5625, 0.2342, 0.3288



31.5625, 0.2544, 0.2467



31.5625, 0.3968, 0.3209



31.5625, 0.3684, 0.4214

Rectangle

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



31.5625, 0.2342, 0.3288



31.5625, 0.2215, 0.2616



31.5625, 0.3968, 0.3209



31.5625, 0.4119, 0.3876

Sweetspot

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



31.5637, 0.2342, 0.3288



64.8620, 0.2816, 0.3289



29.0360, 0.3035, 0.5462



13.9991, 0.2780, 0.3289



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.5637, 0.2342, 0.3288



56.3469, 0.2276, 0.3288



15.1179, 0.2079, 0.2204



8.5321, 0.2987, 0.3290



23.2826, 0.2247, 0.3288



0.5665, 0.2247, 0.3288

Inverse Universe

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



11.0193, 0.5382, 0.3296



16.5829, 0.6029, 0.3298



19.3014, 0.4686, 0.4087



7.5423, 0.3286, 0.3290



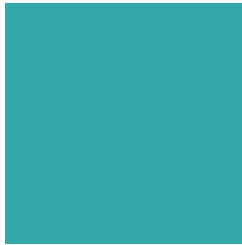
6.2866, 0.6401, 0.3300



0.1530, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.5625, 0.2342, 0.3288 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 31.5625, 0.2342, 0.3288 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

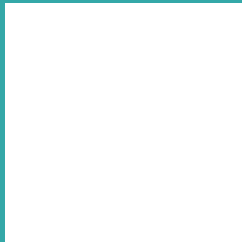
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5625, 0.2342, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 31.5625, 0.2342, 0.3288.

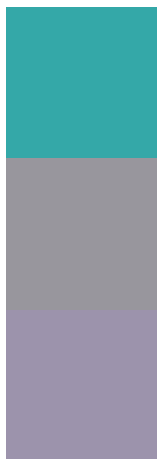


This preview shows how white text looks on a background with the Yxy color 31.5625, 0.2342, 0.3288.

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

31.5625, 0.2342, 0.3288

Protanopia

30.9224, 0.3082, 0.3183

Deuteranopia

30.9139, 0.2985, 0.2921



Tritanopia

31.4975, 0.2295, 0.3052

Trichromacy



Original Color

31.5625, 0.2342, 0.3288

Protanomaly

30.4002, 0.2724, 0.3223

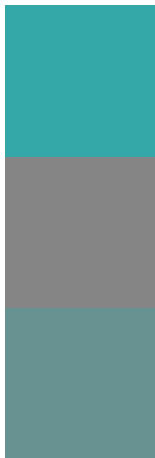
Deuteranomaly

30.2345, 0.2661, 0.3031

Tritanomaly

31.6128, 0.2309, 0.3135

Monochromacy



Original Color

31.5625, 0.2342, 0.3288

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.5761, 0.2723, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5625, 0.2342, 0.3288 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, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(52, 168, 168)  
}
```

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, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 168, 168) }
```

Border

The CSS property to change the border of an element to Yxy 31.5625, 0.2342, 0.3288 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, 168, 168) }
```

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

```
.border{ border-color:rgb(52, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(52, 168,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5625, 0.2342, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 168, 168) }
```

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

```
.background{ background-color: rgb(52, 168,  
168) }
```

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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