

Converting Colors

$Y_{xy}(31.3568, 0.2220, 0.3167)$

Have a look what the booklet for
Yxy(31.3568, 0.2220, 0.3167)
contains.

Yxy(31.5227, 0.2224, 0.3183)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5227, 0.2224, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	08A9AF
RGB	8, 169, 175
RGB Percent	3%, 66%, 69%
CMY	0.9691, 0.3372, 0.3137
CMYK	0.96, 0.03, 0.00, 0.31
HSL	182°, 91%, 36%
HSV	182°, 96%, 69%
XYZ	22.0253, 31.5227, 45.4866
YIQ	121.5450, -97.8820, -32.2660

Conversions

Conversions Part 2

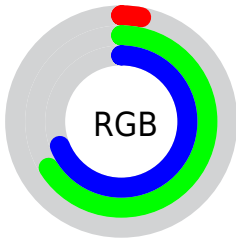
Format	Color
RYB	8, 90, 175
Decimal	567727
CIELab	62.95, -33.17, -13.40
CIELCh	63, 35.776, 201.989
Yxy	31.5227, 0.2224, 0.3183
Android (android.graphics.Color)	4278757807 (0xFF08A9AF)
YUV	121.5450, 26.3533, -99.5790
Hunter-Lab	56.1451, -28.2297, -8.7329

Details

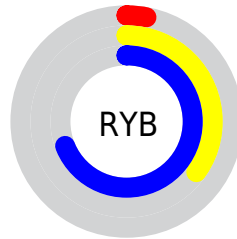
The Yxy color **31.5227, 0.2224, 0.3183** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4433, 0.6289, 0.3322**, and the grayscale version is **19.2306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1603, 0.2398, 0.3224**, and **13.9208, 0.2199, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **31.3680, 0.2216, 0.3178**, and if you desaturate by 10%, it is **31.9191, 0.2247, 0.3195**.

Distribution



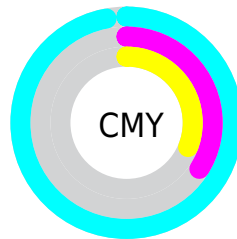
- Red (3%)
- Green (66%)
- Blue (69%)



- Red (3%)
- Yellow (35%)
- Blue (69%)



- Cyan (96%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





- Cyan (97%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5227, 0.2224, 0.3183 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 31.5227, 0.2224, 0.3183 by changing the saturation by 10% instead.


 31.5227, 0.2224,
0.3183


 31.5227, 0.2224,
0.3183

 308.9392, 0.2690,
0.3255


 20.9972, 0.2105,
0.3158


 62.0621, 0.2396,
0.3214

 13.1220, 0.1950,
0.3122


 82.8447, 0.2460,
0.3224

 7.5126, 0.1744,
0.3065


 107.8153, 0.2513,
0.3232

 3.7847, 0.1457,
0.2967

 137.3580, 0.2559,
0.3238

 1.5539, 0.0994,
0.2795

 171.8574, 0.2598,
0.3244

 0.3262, 0.0000,
0.1969

 211.6978, 0.2633,

 0.0000, 0.0000,

0.3248

0.0000

257.2636, 0.2663,
0.3252

■ 31.5227, 0.2224,
0.3183

■ 31.5227, 0.2224,
0.3183

■ 31.3680, 0.2216,
0.3178

■ 31.9191, 0.2247,
0.3195

■ 32.4543, 0.2288,
0.3206

■ 33.1527, 0.2346,
0.3218

■ 34.0328, 0.2424,
0.3230

■ 35.1106, 0.2519,
0.3242

■ 36.4003, 0.2631,
0.3254

■ 37.9150, 0.2758,
0.3265

■ 39.6664, 0.2896,
0.3275

■ 41.6656, 0.3043,
0.3285

Harmonies

Analogous

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



31.5227, 0.2572, 0.3764



31.5227, 0.2224, 0.3183



31.5227, 0.2106, 0.2708

Triad

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



31.5227, 0.2224, 0.3183



31.5227, 0.3083, 0.2555



31.5227, 0.4080, 0.4109

Complementary

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



31.5227, 0.2224, 0.3183



9.4433, 0.6289, 0.3322

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.



31.5227, 0.4265, 0.3717



31.5227, 0.2224, 0.3183



31.5227, 0.3663, 0.2864

Square

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



31.5227, 0.2224, 0.3183



31.5227, 0.2564, 0.2403



31.5227, 0.4114, 0.3274



31.5227, 0.3642, 0.4322

Rectangle

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



31.5227, 0.2224, 0.3183



31.5227, 0.2159, 0.2508



31.5227, 0.4114, 0.3274



31.5227, 0.4175, 0.3991

Sweetspot

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



31.5239, 0.2224, 0.3183



66.7603, 0.2705, 0.3260



30.7455, 0.2996, 0.5939



14.5901, 0.2653, 0.3256



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.5239, 0.2224, 0.3183



56.0982, 0.2216, 0.3176



9.7811, 0.1776, 0.1558



9.0220, 0.2987, 0.3281



22.4803, 0.2217, 0.3179



0.6403, 0.2226, 0.3214

Inverse Universe

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



12.1509, 0.3295, 0.1606



21.4263, 0.3302, 0.1593



17.6841, 0.5218, 0.4194



8.1430, 0.3143, 0.3074



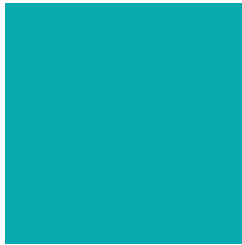
8.5724, 0.3300, 0.1591



0.2400, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 31.5227, 0.2224, 0.3183 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 31.5227, 0.2224, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

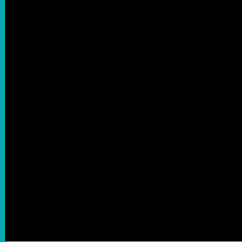
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5227, 0.2224, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 31.5227, 0.2224, 0.3183.

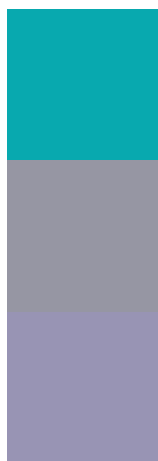


This preview shows how white text looks on a background with the Yxy color 31.5227, 0.2224, 0.3183.

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

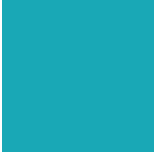
31.5227, 0.2224, 0.3183

Protanopia

30.9411, 0.3007, 0.3092

Deuteranopia

31.1505, 0.2877, 0.2820



Tritanopia

31.5893, 0.2206, 0.3050

Trichromacy



Original Color

31.5227, 0.2224, 0.3183



Protanomaly

29.5006, 0.2546, 0.3120



Deuteranomaly

29.7006, 0.2483, 0.2929



Tritanomaly

31.3984, 0.2211, 0.3099

Monochromacy



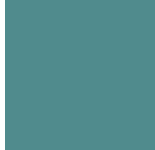
Original Color

31.5227, 0.2224, 0.3183



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.0938, 0.2552, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5227, 0.2224, 0.3183 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(8, 169, 175)` looks like.

```
.text, #text, p{  
    color:rgb(8, 169, 175)  
}
```

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(8, 169, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 169, 175) }
```

Border

The CSS property to change the border of an element to Yxy 31.5227, 0.2224, 0.3183 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(8, 169, 175) }
```

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

```
.border{ border-color:rgb(8, 169, 175) }
```

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

Here you see how a box with a 4 pixel rgb(8, 169, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 169, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 169, 175);  
box-shadow:4px 4px 4px 4px rgb(8, 169,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5227, 0.2224, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 169, 175) }
```

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

```
.background{ background-color: rgb(8, 169,  
175) }
```

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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