

Converting Colors

$Yxy(31.4074, 0.2278, 0.3241)$

Have a look what the booklet for
Yxy(31.4074, 0.2278, 0.3241)
contains.

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Color

Yxy(31.2856, 0.2276, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	22A8AB
RGB	34, 168, 171
RGB Percent	13%, 66%, 67%
CMY	0.8671, 0.3412, 0.3294
CMYK	0.80, 0.02, 0.00, 0.33
HSL	181°, 67%, 40%
HSV	181°, 80%, 67%
XYZ	22.0111, 31.2856, 43.4130
YIQ	128.2760, -80.8270, -27.4750

Conversions

Conversions Part 2

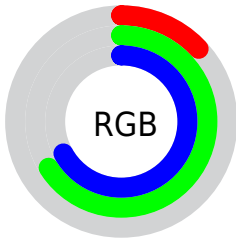
Format	Color
RYB	34, 102, 171
Decimal	2271403
CIELab	62.75, -32.38, -11.43
CIELCh	63, 34.342, 199.441
Yxy	31.2856, 0.2276, 0.3235
Android (android.graphics.Color)	4280461483 (0xFF22A8AB)
YUV	128.2760, 21.0629, -82.6801
Hunter-Lab	55.9335, -27.6398, -6.8647

Details

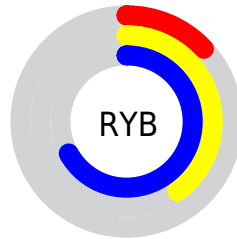
The Yxy color **31.2856, 0.2276, 0.3235** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0915, 0.5846, 0.3325**, and the grayscale version is **21.6241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8665, 0.2443, 0.3262**, and **13.5934, 0.2219, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **30.9274, 0.2245, 0.3228**, and if you desaturate by 10%, it is **31.7909, 0.2324, 0.3242**.

Distribution



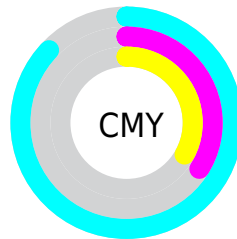
- Red (13%)
- Green (66%)
- Blue (67%)



- Red (13%)
- Yellow (40%)
- Blue (67%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)




- Cyan (87%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2856, 0.2276, 0.3235 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 31.2856, 0.2276, 0.3235 by changing the saturation by 10% instead.


 31.2856, 0.2276,
0.3235


 31.2856, 0.2276,
0.3235


307.8519, 0.2717,
0.3277


 20.8164, 0.2162,
0.3219


 61.6894, 0.2440,
0.3254


 12.9899, 0.2014,
0.3194


 82.3929, 0.2500,
0.3260


 7.4216, 0.1814,
0.3153


 107.2766, 0.2551,
0.3265

 3.7271, 0.1533,
0.3080

 136.7248, 0.2594,
0.3269

 1.5221, 0.1067,
0.2949

 171.1221, 0.2631,
0.3271

 0.3042, 0.0000,
0.2106

210.8528, 0.2664,

 0.0000, 0.0000,

0.3274

0.0000

256.3013, 0.2692,
0.3276

■ 31.2856, 0.2276,
0.3235

■ 31.2856, 0.2276,
0.3235

■ 30.9274, 0.2245,
0.3228

■ 31.7909, 0.2324,
0.3242

■ 30.6747, 0.2228,
0.3221

■ 32.4588, 0.2391,
0.3250

■ 33.3064, 0.2477,
0.3257

■ 34.3481, 0.2580,
0.3264

■ 35.5965, 0.2699,
0.3271

■ 37.0632, 0.2831,
0.3278

■ 38.7592, 0.2974,
0.3284

■ 40.6944, 0.3124,
0.3290

■ 42.8783, 0.3280,
0.3295

Harmonies

Analogous

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



31.2856, 0.2631, 0.3790



31.2856, 0.2276, 0.3235



31.2856, 0.2141, 0.2763

Triad

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



31.2856, 0.2276, 0.3235



31.2856, 0.3039, 0.2560



31.2856, 0.4072, 0.4055

Complementary

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



31.2856, 0.2276, 0.3235



10.0915, 0.5846, 0.3325

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.



31.2856, 0.4223, 0.3670



31.2856, 0.2276, 0.3235



31.2856, 0.3598, 0.2849

Square

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



31.2856, 0.2276, 0.3235



31.2856, 0.2549, 0.2428



31.2856, 0.4049, 0.3241



31.2856, 0.3668, 0.4276

Rectangle

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



31.2856, 0.2276, 0.3235



31.2856, 0.2179, 0.2556



31.2856, 0.4049, 0.3241



31.2856, 0.4156, 0.3938

Sweetspot

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



31.2868, 0.2276, 0.3235



65.2026, 0.2773, 0.3275



29.5978, 0.3005, 0.5723



14.3404, 0.2728, 0.3273



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.



31.2868, 0.2276, 0.3235



55.0411, 0.2233, 0.3223



12.4260, 0.1927, 0.1904



9.0415, 0.2987, 0.3285



23.1307, 0.2228, 0.3222



0.6527, 0.2234, 0.3243

Inverse Universe

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



12.6250, 0.3247, 0.1678



20.7176, 0.3262, 0.1582



18.8247, 0.4923, 0.4192



8.1450, 0.3141, 0.3071



8.6381, 0.3264, 0.1572



0.2412, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 31.2856, 0.2276, 0.3235 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 31.2856, 0.2276, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

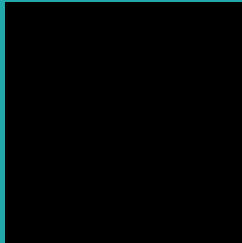
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2856, 0.2276, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 31.2856, 0.2276, 0.3235.

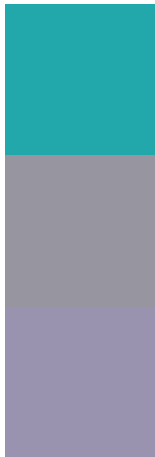


This preview shows how white text looks on a background with the Yxy color 31.2856, 0.2276, 0.3235.

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

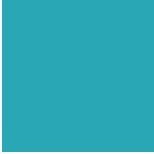
31.2856, 0.2276, 0.3235

Protanopia

30.9301, 0.3044, 0.3137

Deuteranopia

30.7743, 0.2920, 0.2862



Tritanopia

31.4250, 0.2246, 0.3067

Trichromacy



Original Color

31.2856, 0.2276, 0.3235

Protanomaly

29.9824, 0.2639, 0.3172

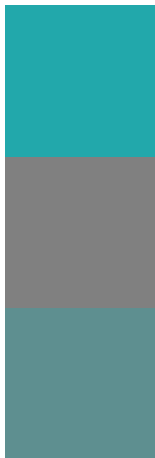
Deuteranomaly

29.8137, 0.2578, 0.2980

Tritanomaly

31.2431, 0.2253, 0.3116

Monochromacy



Original Color

31.2856, 0.2276, 0.3235

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

24.0382, 0.2649, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2856, 0.2276, 0.3235 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(34, 168, 171)` looks like.

```
.text, #text, p{  
    color:rgb(34, 168, 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(34, 168, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 168, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.2856, 0.2276, 0.3235 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(34, 168, 171) }
```

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

```
.border{ border-color:rgb(34, 168, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 168, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 168, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 168, 171);  
box-shadow:4px 4px 4px 4px rgb(34, 168,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2856, 0.2276, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 168, 171) }
```

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

```
.background{ background-color: rgb(34, 168,  
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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