

Converting Colors

$Y_{xy}(29.9055, 0.2249, 0.3297)$

Have a look what the booklet for
Yxy(29.9055, 0.2249, 0.3297)
contains.

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Color

Yxy(29.9890, 0.2252, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	01A6A5
RGB	1, 166, 165
RGB Percent	0%, 65%, 65%
CMY	0.9975, 0.3491, 0.3529
CMYK	1.00, 0.00, 0.01, 0.35
HSL	180°, 99%, 33%
HSV	180°, 100%, 65%
XYZ	20.4343, 29.9890, 40.3150
YIQ	116.5510, -98.0190, -35.2910

Conversions

Conversions Part 2

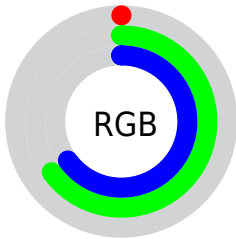
Format	Color
RYB	1, 84, 166
Decimal	108197
CIELab	61.64, -35.14, -9.74
CIELCh	62, 36.469, 195.498
Yxy	29.9890, 0.2252, 0.3305
Android (android.graphics.Color)	4278298277 (0xFF01A6A5)
YUV	116.5510, 23.8854, -101.3382
Hunter-Lab	54.7622, -29.2274, -5.3147

Details

The Yxy color **29.9890, 0.2252, 0.3305** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1231, 0.6386, 0.3296**, and the grayscale version is **17.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8428, 0.2424, 0.3314**, and **13.0025, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.9859, 0.2251, 0.3305**, and if you desaturate by 10%, it is **30.1109, 0.2268, 0.3303**.

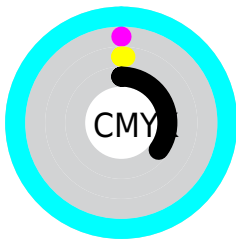
Distribution



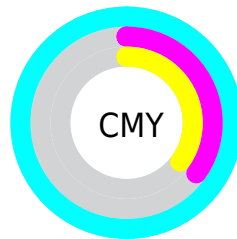
- Red (0%)
- Green (65%)
- Blue (65%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9890, 0.2252, 0.3305 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 29.9890, 0.2252, 0.3305 by changing the saturation by 10% instead.


 29.9890, 0.2252,
0.3305


 29.9890, 0.2252,
0.3305


 301.8532, 0.2709,
0.3310


 19.8302, 0.2133,
0.3298


 59.6448, 0.2422,
0.3310

 12.2717, 0.1977,
0.3286


 79.9106, 0.2485,
0.3311

 6.9290, 0.1766,
0.3262


 104.3142, 0.2537,
0.3312

 3.4177, 0.1468,
0.3212

 133.2400, 0.2582,
0.3312

 1.3535, 0.0855,
0.3151

 167.0724, 0.2621,
0.3311

 0.1821, 0.0000,
0.1715

 206.1958, 0.2654,

 0.0000, 0.0000,

0.3311

0.0000

250.9946, 0.2683,
0.3311

■ 29.9890, 0.2252,
0.3305

■ 29.9890, 0.2252,
0.3305

■ 29.9859, 0.2251,
0.3305

■ 30.1109, 0.2268,
0.3303

■ 30.3304, 0.2297,
0.3301

■ 30.6858, 0.2343,
0.3300

■ 31.1945, 0.2408,
0.3298

■ 31.8715, 0.2492,
0.3296

■ 32.7296, 0.2593,
0.3295

■ 33.7807, 0.2711,
0.3293

■ 35.0356, 0.2841,
0.3292

■ 36.5043, 0.2983,
0.3291

Harmonies

Analogous

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



29.9890, 0.2656, 0.3905



29.9890, 0.2252, 0.3305



29.9890, 0.2078, 0.2775

Triad

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



29.9890, 0.2252, 0.3305



29.9890, 0.2953, 0.2482



29.9890, 0.4180, 0.4057

Complementary

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



29.9890, 0.2252, 0.3305



8.1231, 0.6386, 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.



29.9890, 0.4303, 0.3630



29.9890, 0.2252, 0.3305



29.9890, 0.3556, 0.2769

Square

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



29.9890, 0.2252, 0.3305



29.9890, 0.2451, 0.2366



29.9890, 0.4071, 0.3174



29.9890, 0.3771, 0.4335

Rectangle

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



29.9890, 0.2252, 0.3305



29.9890, 0.2098, 0.2536



29.9890, 0.4071, 0.3174



29.9890, 0.4258, 0.3924

Sweetspot

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



29.9901, 0.2252, 0.3305



61.1226, 0.2699, 0.3294



27.2921, 0.3004, 0.5993



13.4983, 0.2650, 0.3294



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.



29.9901, 0.2252, 0.3305



54.4274, 0.2252, 0.3305



9.4230, 0.1794, 0.1653



8.5313, 0.2988, 0.3291



23.2559, 0.2251, 0.3305



0.5661, 0.2250, 0.3299

Inverse Universe

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



8.1231, 0.6386, 0.3296



14.7162, 0.6396, 0.3297



13.9261, 0.5436, 0.4062



7.5430, 0.3285, 0.3289



6.2885, 0.6393, 0.3295



0.1532, 0.6355, 0.3274

Previews

White Background



This preview shows how the Yxy color 29.9890, 0.2252, 0.3305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9890, 0.2252, 0.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

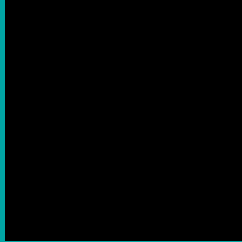
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9890, 0.2252, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 29.9890, 0.2252, 0.3305.

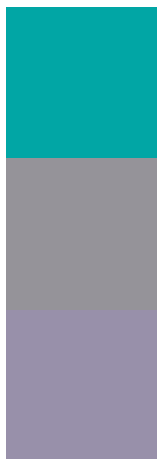


This preview shows how white text looks on a background with the Yxy color 29.9890, 0.2252, 0.3305.

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

29.9955, 0.2252, 0.3305

Protanopia

29.5569, 0.3090, 0.3196

Deuteranopia

29.5242, 0.2963, 0.2899



Tritanopia

30.0165, 0.2221, 0.3062

Trichromacy



Original Color

29.9955, 0.2252, 0.3305



Protanomaly

27.9784, 0.2586, 0.3236



Deuteranomaly

27.8250, 0.2518, 0.3016



Tritanomaly

30.0761, 0.2227, 0.3147

Monochromacy



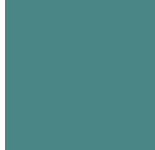
Original Color

29.9955, 0.2252, 0.3305



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.2273, 0.2545, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9890, 0.2252, 0.3305 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(1, 166, 165)` looks like.

```
.text, #text, p{  
    color:rgb(1, 166, 165)  
}
```

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(1, 166, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 166, 165) }
```

Border

The CSS property to change the border of an element to Yxy 29.9890, 0.2252, 0.3305 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(1, 166, 165) }
```

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

```
.border{ border-color:rgb(1, 166, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 166, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 166, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 166, 165);  
box-shadow:4px 4px 4px 4px rgb(1, 166,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9890, 0.2252, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 166, 165) }
```

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

```
.background{ background-color: rgb(1, 166,  
165) }
```

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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