

Converting Colors

$Y_{xy}(24.9136, 0.1372, 0.3772)$

Have a look what the booklet for
Yxy(24.9136, 0.1372, 0.3772)
contains.

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Color

Yxy(30.1118, 0.2356, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	00A893
RGB	0, 168, 147
RGB Percent	0%, 66%, 58%
CMY	1.0000, 0.3412, 0.4235
CMYK	1.00, 0.00, 0.13, 0.34
HSL	172°, 100%, 33%
HSV	172°, 100%, 66%
XYZ	19.2676, 30.1118, 32.4017
YIQ	115.3740, -93.3870, -42.1470

Conversions

Conversions Part 2

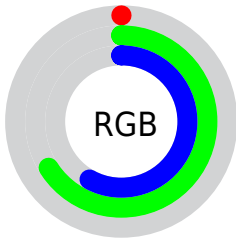
Format	Color
RYB	0, 90, 168
Decimal	43155
CIELab	61.75, -41.41, 0.53
CIELCh	62, 41.415, 179.271
Yxy	30.1118, 0.2356, 0.3682
Android (android.graphics.Color)	4278233235 (0xFF00A893)
YUV	115.3740, 15.5916, -101.1830
Hunter-Lab	54.8742, -33.3543, 3.4029

Details

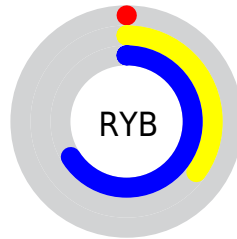
The Yxy color **30.1118, 0.2356, 0.3682** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3796, 0.6232, 0.3206**, and the grayscale version is **17.2379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8555, 0.2510, 0.3602**, and **13.1245, 0.2380, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **30.1139, 0.2356, 0.3682**, and if you desaturate by 10%, it is **30.2978, 0.2362, 0.3639**.

Distribution



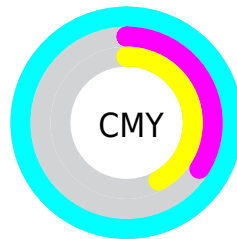
- Red (0%)
- Green (66%)
- Blue (58%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1118, 0.2356, 0.3682 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 30.1118, 0.2356, 0.3682 by changing the saturation by 10% instead.


 30.1118, 0.2356,
0.3682

 30.1118, 0.2356,
0.3682


 302.4252, 0.2766,
0.3473


 19.9235, 0.2246,
0.3738


 59.8389, 0.2511,
0.3603

 12.3394, 0.2100,
0.3813


 80.1465, 0.2567,
0.3574

 6.9753, 0.1898,
0.3918


 104.5960, 0.2614,
0.3550

 3.4466, 0.1603,
0.4071

 133.5717, 0.2654,
0.3530

 1.3691, 0.0743,
0.4509

 167.4581, 0.2688,
0.3513

 0.1938, 0.0000,
0.5266

 206.6396, 0.2717,

 0.0000, 0.0000,

0.3498

0.0000

251.5005, 0.2743,
0.3485

■ 30.1118, 0.2356,
0.3682

■ 30.1118, 0.2356,
0.3682

■ 30.1139, 0.2356,
0.3682

■ 30.2978, 0.2362,
0.3639

■ 30.5816, 0.2382,
0.3596

■ 31.0056, 0.2420,
0.3553

■ 31.5878, 0.2476,
0.3510

■ 32.3438, 0.2551,
0.3469

■ 33.2868, 0.2643,
0.3428

■ 34.4292, 0.2749,
0.3390

■ 35.7821, 0.2867,
0.3354

■ 37.3558, 0.2994,
0.3321

Harmonies

Analogous

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



30.1118, 0.2914, 0.4294



30.1118, 0.2356, 0.3682



30.1118, 0.2024, 0.2998

Triad

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



30.1118, 0.2356, 0.3682



30.1118, 0.2599, 0.2293



30.1118, 0.4438, 0.3886

Complementary

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



30.1118, 0.2356, 0.3682



8.3796, 0.6232, 0.3206

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.



30.1118, 0.4368, 0.3380



30.1118, 0.2356, 0.3682



30.1118, 0.3235, 0.2515

Square

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



30.1118, 0.2356, 0.3682



30.1118, 0.2156, 0.2279



30.1118, 0.3908, 0.2899



30.1118, 0.4126, 0.4321

Rectangle

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



30.1118, 0.2356, 0.3682



30.1118, 0.1951, 0.2642



30.1118, 0.3908, 0.2899



30.1118, 0.4461, 0.3719

Sweetspot

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



30.1139, 0.2356, 0.3682



62.3487, 0.2742, 0.3392



28.1824, 0.3038, 0.5970



13.3992, 0.2698, 0.3407



84.8088, 0.3127, 0.3290



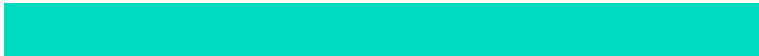
15.4872, 0.3127, 0.3290

Same Dimension

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



30.1139, 0.2356, 0.3682



54.6205, 0.2358, 0.3690



13.2188, 0.1903, 0.2051



8.5157, 0.3003, 0.3318



22.7444, 0.2355, 0.3678



0.5577, 0.2316, 0.3536

Inverse Universe

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



8.3796, 0.6232, 0.3206



15.1877, 0.6260, 0.3222



11.7275, 0.5777, 0.3795



7.5570, 0.3267, 0.3262



6.3319, 0.6214, 0.3197



0.1585, 0.5581, 0.2848

Previews

White Background



This preview shows how the Yxy color 30.1118, 0.2356, 0.3682 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 30.1118, 0.2356, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

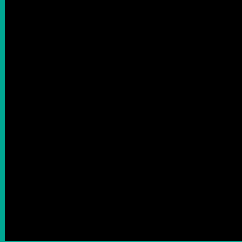
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1118, 0.2356, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 30.1118, 0.2356, 0.3682.



This preview shows how white text looks on a background with the Yxy color 30.1118, 0.2356, 0.3682.

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

30.1118, 0.2356, 0.3682

Protanopia

29.8274, 0.3308, 0.3479

Deuteranopia

29.7906, 0.3228, 0.3170



Tritanopia

30.2831, 0.2255, 0.3064

Trichromacy



Original Color

30.1118, 0.2356, 0.3682



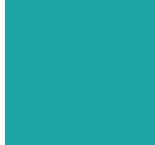
Protanomaly

27.9328, 0.2738, 0.3559



Deuteranomaly

27.8093, 0.2689, 0.3341



Tritanomaly

29.9247, 0.2278, 0.3270

Monochromacy



Original Color

30.1118, 0.2356, 0.3682



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.9990, 0.2593, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1118, 0.2356, 0.3682 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(0, 168, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 147)  
}
```

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(0, 168, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 147) }
```

Border

The CSS property to change the border of an element to Yxy 30.1118, 0.2356, 0.3682 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(0, 168, 147) }
```

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

```
.border{ border-color:rgb(0, 168, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1118, 0.2356, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 147) }
```

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

```
.background{ background-color: rgb(0, 168,  
147) }
```

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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