

Converting Colors

$Y_{xy}(29.1262, 0.1505, 0.3048)$

Have a look what the booklet for
Yxy(29.1262, 0.1505, 0.3048)
contains.

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Color

Yxy(34.2478, 0.2191, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	00AFBB
RGB	0, 175, 187
RGB Percent	0%, 69%, 73%
CMY	1.0000, 0.3137, 0.2666
CMYK	1.00, 0.06, 0.00, 0.27
HSL	184°, 100%, 37%
HSV	184°, 100%, 73%
XYZ	24.2995, 34.2478, 52.3588
YIQ	124.0430, -108.1520, -33.3680

Conversions

Conversions Part 2

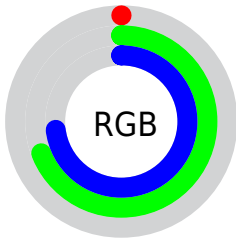
Format	Color
RYB	0, 90, 187
Decimal	44987
CIELab	65.16, -32.48, -16.76
CIELCh	65, 36.553, 207.292
Yxy	34.2478, 0.2191, 0.3088
Android (android.graphics.Color)	4278235067 (0xFF00AFBB)
YUV	124.0430, 31.0378, -108.7857
Hunter-Lab	58.5216, -28.2955, -12.0811

Details

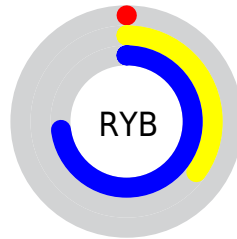
The Yxy color **34.2478, 0.2191, 0.3088** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.8319, 0.6355, 0.3336**, and the grayscale version is **20.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2755, 0.2363, 0.3139**, and **15.6403, 0.2171, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **34.2505, 0.2191, 0.3088**, and if you desaturate by 10%, it is **34.8562, 0.2212, 0.3109**.

Distribution



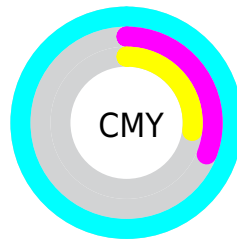
- Red (0%)
- Green (69%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2478, 0.2191, 0.3088 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 34.2478, 0.2191, 0.3088 by changing the saturation by 10% instead.


 34.2478, 0.2191,
0.3088


 34.2478, 0.2191,
0.3088


321.2356, 0.2665,
0.3210


 23.0840, 0.2072,
0.3051


 66.3188, 0.2364,
0.3137


 14.6556, 0.1921,
0.2998


 87.9949, 0.2429,
0.3154


 8.5780, 0.1721,
0.2920


 113.9438, 0.2484,
0.3168

 4.4670, 0.1449,
0.2797

 144.5500, 0.2530,
0.3179

 1.9381, 0.1069,
0.2582

 180.1979, 0.2571,
0.3189

 0.5711, 0.0000,
0.2176

221.2719, 0.2606,

 0.0000, 0.0000,

0.3197

0.0000

268.1563, 0.2638,
0.3204

■ 34.2478, 0.2191,
0.3088

■ 34.2478, 0.2191,
0.3088

■ 34.2505, 0.2191,
0.3088

■ 34.8562, 0.2212,
0.3109

■ 35.5959, 0.2247,
0.3131

■ 36.5175, 0.2301,
0.3152

■ 37.6446, 0.2373,
0.3174

■ 38.9974, 0.2464,
0.3196

■ 40.5936, 0.2572,
0.3217

■ 42.4489, 0.2695,
0.3237

■ 44.5780, 0.2830,
0.3256

■ 46.9942, 0.2975,
0.3274

Harmonies

Analogous

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



34.2478, 0.2500, 0.3661



34.2478, 0.2191, 0.3088



34.2478, 0.2115, 0.2649

Triad

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



34.2478, 0.2191, 0.3088



34.2478, 0.3186, 0.2603



34.2478, 0.4012, 0.4159

Complementary

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



34.2478, 0.2191, 0.3088



10.8319, 0.6355, 0.3336

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.



34.2478, 0.4249, 0.3791



34.2478, 0.2191, 0.3088



34.2478, 0.3754, 0.2933

Square

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



34.2478, 0.2191, 0.3088



34.2478, 0.2648, 0.2421



34.2478, 0.4159, 0.3352



34.2478, 0.3546, 0.4323

Rectangle

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



34.2478, 0.2191, 0.3088



34.2478, 0.2195, 0.2477



34.2478, 0.4159, 0.3352



34.2478, 0.4123, 0.4052

Sweetspot

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



34.2505, 0.2191, 0.3088



75.8279, 0.2688, 0.3236



35.5732, 0.2991, 0.5969



16.3780, 0.2635, 0.3227



95.5105, 0.3127, 0.3290



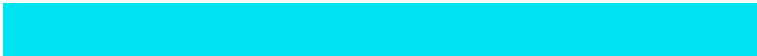
19.5994, 0.3127, 0.3290

Same Dimension

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



34.2505, 0.2191, 0.3088



61.1864, 0.2190, 0.3085



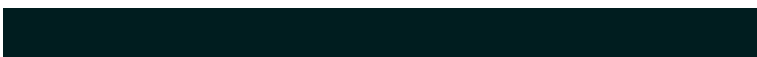
9.9550, 0.1726, 0.1414



10.7016, 0.2985, 0.3275



23.6316, 0.2192, 0.3091



0.9577, 0.2206, 0.3142

Inverse Universe

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



13.6637, 0.3377, 0.1634



24.4496, 0.3380, 0.1636



20.2422, 0.5262, 0.4204



9.6854, 0.3147, 0.3078



9.4153, 0.3375, 0.1633



0.3720, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 34.2478, 0.2191, 0.3088 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 34.2478, 0.2191, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

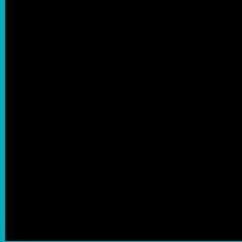
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2478, 0.2191, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 34.2478, 0.2191, 0.3088.

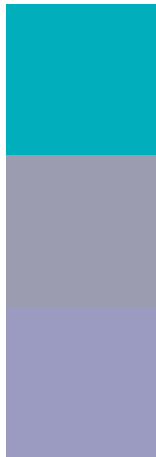


This preview shows how white text looks on a background with the Yxy color 34.2478, 0.2191, 0.3088.

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

34.2478, 0.2191, 0.3088

Protanopia

33.8406, 0.2951, 0.3013

Deuteranopia

33.8855, 0.2811, 0.2754



Tritanopia

34.4274, 0.2193, 0.3057

Trichromacy



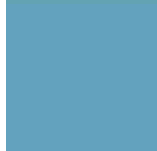
Original Color

34.2478, 0.2191, 0.3088



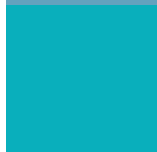
Protanomaly

32.1017, 0.2490, 0.3030



Deuteranomaly

32.2110, 0.2420, 0.2849



Tritanomaly

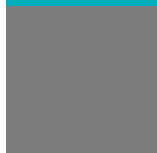
34.3489, 0.2194, 0.3073

Monochromacy



Original Color

34.2478, 0.2191, 0.3088



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.4138, 0.2513, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2478, 0.2191, 0.3088 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, 175, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 187)  
}
```

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, 175, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 187) }
```

Border

The CSS property to change the border of an element to Yxy 34.2478, 0.2191, 0.3088 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, 175, 187) }
```

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

```
.border{ border-color:rgb(0, 175, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2478, 0.2191, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 187) }
```

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

```
.background{ background-color: rgb(0, 175,  
187) }
```

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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