

Converting Colors

$Yxy(34.4004, 0.2172, 0.3020)$

Have a look what the booklet for
Yxy(34.4004, 0.2172, 0.3020)
contains.

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Color

Yxy(34.4215, 0.2174, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	00AFBF
RGB	0, 175, 191
RGB Percent	0%, 69%, 75%
CMY	0.9982, 0.3137, 0.2510
CMYK	1.00, 0.08, 0.00, 0.25
HSL	185°, 100%, 38%
HSV	185°, 100%, 75%
XYZ	24.7380, 34.4215, 54.6306
YIQ	124.4990, -109.4360, -32.1240

Conversions

Conversions Part 2

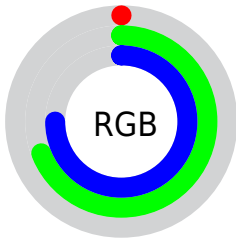
Format	Color
RYB	0, 91, 191
Decimal	44991
CIELab	65.30, -31.18, -18.76
CIELCh	65, 36.385, 211.035
Yxy	34.4215, 0.2174, 0.3025
Android (android.graphics.Color)	4278235071 (0xFF00AFBF)
YUV	124.4990, 32.7850, -109.1856
Hunter-Lab	58.6698, -27.4082, -14.1392

Details

The Yxy color **34.4215, 0.2174, 0.3025** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4625, 0.6335, 0.3349**, and the grayscale version is **20.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5766, 0.2350, 0.3091**, and **15.7540, 0.2147, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **34.4043, 0.2174, 0.3024**, and if you desaturate by 10%, it is **35.1923, 0.2197, 0.3053**.

Distribution



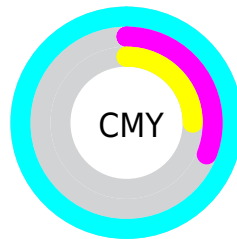
- Red (0%)
- Green (69%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4215, 0.2174, 0.3025 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 34.4215, 0.2174, 0.3025 by changing the saturation by 10% instead.

 34.4215, 0.2174,
0.3025


 34.4215, 0.2174,
0.3025


322.0074, 0.2655,
0.3180


 23.2176, 0.2054,
0.2979


 66.5886, 0.2349,
0.3087


 14.7543, 0.1901,
0.2916


 88.3206, 0.2415,
0.3108


 8.6471, 0.1701,
0.2824


 114.3307, 0.2470,
0.3126

 4.5117, 0.1430,
0.2681

 145.0034, 0.2518,
0.3140

 1.9637, 0.1055,
0.2441

 180.7230, 0.2559,
0.3153

 0.5863, 0.0000,
0.2015

221.8740, 0.2595,

 0.0000, 0.0000,

0.3163

0.0000

268.8406, 0.2627,
0.3172

■ 34.4215, 0.2174,
0.3025

■ 34.4215, 0.2174,
0.3025

■ 34.4043, 0.2174,
0.3024

■ 35.1923, 0.2197,
0.3053

■ 36.1088, 0.2235,
0.3082

■ 37.2198, 0.2291,
0.3110

■ 38.5503, 0.2366,
0.3139

■ 40.1214, 0.2460,
0.3167

■ 41.9516, 0.2570,
0.3195

■ 44.0578, 0.2696,
0.3221

■ 46.4551, 0.2833,
0.3246

■ 49.1577, 0.2979,
0.3269

Harmonies

Analogous

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



34.4215, 0.2453, 0.3586



34.4215, 0.2174, 0.3025



34.4215, 0.2128, 0.2614

Triad

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



34.4215, 0.2174, 0.3025



34.4215, 0.3258, 0.2641



34.4215, 0.3959, 0.4189

Complementary

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



34.4215, 0.2174, 0.3025



11.4625, 0.6335, 0.3349

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.



34.4215, 0.4229, 0.3840



34.4215, 0.2174, 0.3025



34.4215, 0.3814, 0.2983

Square

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



34.4215, 0.2174, 0.3025



34.4215, 0.2711, 0.2439



34.4215, 0.4182, 0.3407



34.4215, 0.3477, 0.4315

Rectangle

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



34.4215, 0.2174, 0.3025



34.4215, 0.2227, 0.2460



34.4215, 0.4182, 0.3407



34.4215, 0.4079, 0.4090

Sweetspot

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



34.4227, 0.2174, 0.3025



78.6171, 0.2686, 0.3219



37.3038, 0.2985, 0.5944



16.8998, 0.2631, 0.3208



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.4227, 0.2174, 0.3025



61.4404, 0.2172, 0.3020



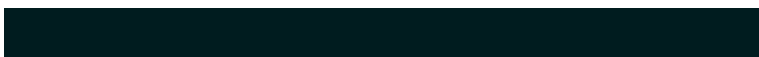
9.4813, 0.1699, 0.1313



10.6687, 0.2985, 0.3270



22.6673, 0.2175, 0.3028



0.9287, 0.2193, 0.3096

Inverse Universe

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



14.1817, 0.3432, 0.1665



25.3602, 0.3437, 0.1667



22.5809, 0.5163, 0.4280



9.6821, 0.3150, 0.3083



9.3180, 0.3429, 0.1663



0.3691, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 34.4215, 0.2174, 0.3025 looks on a white background.

Color Contrast Check

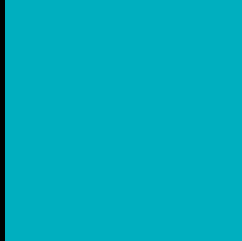
Large Text (above 18pt) WCAG AA × Fail

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 34.4215, 0.2174, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

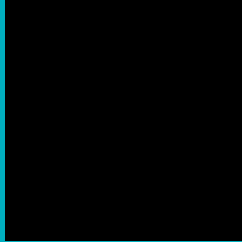
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

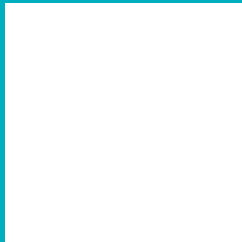
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4215, 0.2174, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 34.4215, 0.2174, 0.3025.



This preview shows how white text looks on a background with the Yxy color 34.4215, 0.2174, 0.3025.

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

34.4215, 0.2174, 0.3025

Protanopia

33.9016, 0.2908, 0.2956

Deuteranopia

33.8690, 0.2762, 0.2700



Tritanopia

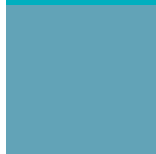
34.3341, 0.2182, 0.3057

Trichromacy



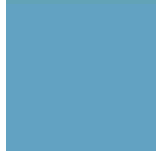
Original Color

34.4215, 0.2174, 0.3025



Protanomaly

32.2100, 0.2459, 0.2969



Deuteranomaly

32.3324, 0.2391, 0.2791



Tritanomaly

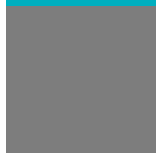
34.3776, 0.2178, 0.3041

Monochromacy



Original Color

34.4215, 0.2174, 0.3025



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.5203, 0.2505, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4215, 0.2174, 0.3025 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 191) }
```

Border

The CSS property to change the border of an element to Yxy 34.4215, 0.2174, 0.3025 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, 191) }
```

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

```
.border{ border-color:rgb(0, 175, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4215, 0.2174, 0.3025 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, 191) }
```

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

```
.background{ background-color: rgb(0, 175,  
191) }
```

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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