

Converting Colors

Yxy(34.4829, 0.2019, 0.3423)

Have a look what the booklet for
Yxy(34.4829, 0.2019, 0.3423)
contains.

Yxy(36.5510, 0.2279, 0.3405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.5510, 0.2279, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	00B6AF
RGB	0, 182, 175
RGB Percent	0%, 71%, 69%
CMY	1.0000, 0.2863, 0.3137
CMYK	1.00, 0.00, 0.04, 0.29
HSL	178°, 100%, 36%
HSV	178°, 100%, 71%
XYZ	24.4639, 36.5510, 46.3301
YIQ	126.7840, -106.2250, -40.7610

Conversions

Conversions Part 2

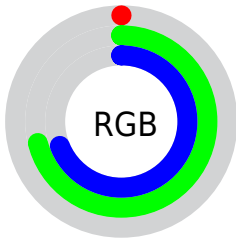
Format	Color
RYB	0, 93, 182
Decimal	46767
CIELab	66.94, -39.44, -7.43
CIELCh	67, 40.136, 190.670
Yxy	36.5510, 0.2279, 0.3405
Android (android.graphics.Color)	4278236847 (0xFF00B6AF)
YUV	126.7840, 23.7705, -111.1896
Hunter-Lab	60.4574, -33.5709, -3.1153

Details

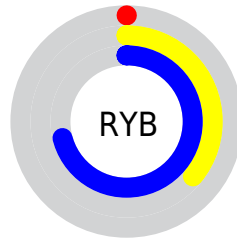
The Yxy color **36.5510, 0.2279, 0.3405** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.9612, 0.6360, 0.3277**, and the grayscale version is **21.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0988, 0.2440, 0.3401**, and **16.8684, 0.2279, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **36.5542, 0.2279, 0.3405**, and if you desaturate by 10%, it is **36.7123, 0.2291, 0.3393**.

Distribution



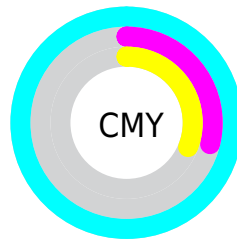
- Red (0%)
- Green (71%)
- Blue (69%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5510, 0.2279, 0.3405 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 36.5510, 0.2279, 0.3405 by changing the saturation by 10% instead.

 36.5510, 0.2279,
0.3405


 36.5510, 0.2279,
0.3405


331.3625, 0.2710,
0.3356


 24.8600, 0.2170,
0.3414


 69.8817, 0.2437,
0.3390


 15.9728, 0.2031,
0.3423


 92.2902, 0.2495,
0.3383


 9.5049, 0.1845,
0.3431


 119.0400, 0.2545,
0.3377

 5.0720, 0.1589,
0.3432

 150.5155, 0.2588,
0.3372

 2.2895, 0.1221,
0.3410

 187.1011, 0.2624,
0.3367

 0.7682, 0.0000,
0.3525

229.1812, 0.2656,

 0.0000, 0.0000,

0.3363

0.0000

277.1402, 0.2685,
0.3359

■ 36.5510, 0.2279,
0.3405

■ 36.5510, 0.2279,
0.3405

■ 36.5542, 0.2279,
0.3405

■ 36.7123, 0.2291,
0.3393

■ 36.9918, 0.2316,
0.3380

■ 37.4383, 0.2360,
0.3368

■ 38.0740, 0.2422,
0.3355

■ 38.9177, 0.2502,
0.3343

■ 39.9858, 0.2601,
0.3331

■ 41.2932, 0.2715,
0.3320

■ 42.8534, 0.2843,
0.3309

■ 44.6791, 0.2981,
0.3299

Harmonies

Analogous

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



36.5510, 0.2726, 0.4013



36.5510, 0.2279, 0.3405



36.5510, 0.2062, 0.2833

Triad

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



36.5510, 0.2279, 0.3405



36.5510, 0.2853, 0.2429



36.5510, 0.4254, 0.4011

Complementary

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



36.5510, 0.2279, 0.3405



9.9612, 0.6360, 0.3277

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.



36.5510, 0.4325, 0.3561



36.5510, 0.2279, 0.3405



36.5510, 0.3468, 0.2698

Square

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



36.5510, 0.2279, 0.3405



36.5510, 0.2366, 0.2341



36.5510, 0.4030, 0.3097



36.5510, 0.3870, 0.4337

Rectangle

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



36.5510, 0.2279, 0.3405



36.5510, 0.2056, 0.2563



36.5510, 0.4030, 0.3097



36.5510, 0.4317, 0.3868

Sweetspot

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



36.5542, 0.2279, 0.3405



74.7273, 0.2709, 0.3320



33.5172, 0.3011, 0.5991



16.2750, 0.2659, 0.3325



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.5542, 0.2279, 0.3405



66.2590, 0.2280, 0.3407



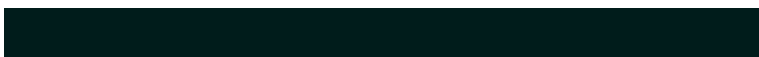
12.5119, 0.1819, 0.1750



10.2045, 0.2990, 0.3298



25.8145, 0.2279, 0.3404



0.9119, 0.2270, 0.3371

Inverse Universe

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



9.9612, 0.6360, 0.3277



18.0503, 0.6371, 0.3283



15.9658, 0.5551, 0.3974



9.0177, 0.3282, 0.3282



7.0362, 0.6351, 0.3272



0.2499, 0.6157, 0.3165

Previews

White Background



This preview shows how the Yxy color 36.5510, 0.2279, 0.3405 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 36.5510, 0.2279, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

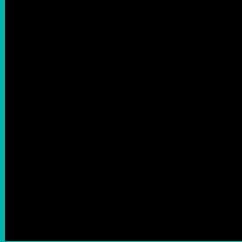
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

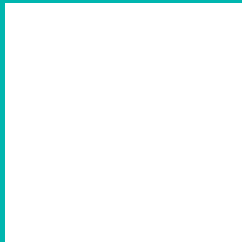
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5510, 0.2279, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 36.5510, 0.2279, 0.3405.

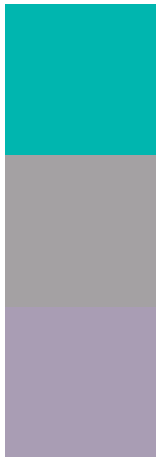


This preview shows how white text looks on a background with the Yxy color 36.5510, 0.2279, 0.3405.

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

36.5510, 0.2279, 0.3405

Protanopia

36.0266, 0.3138, 0.3261

Deuteranopia

35.8442, 0.3038, 0.2970



Tritanopia

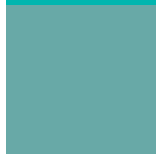
36.5666, 0.2225, 0.3048

Trichromacy



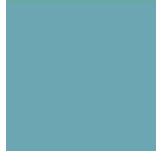
Original Color

36.5510, 0.2279, 0.3405



Protanomaly

34.1090, 0.2616, 0.3321



Deuteranomaly

33.6749, 0.2563, 0.3098



Tritanomaly

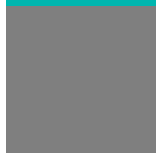
36.4370, 0.2238, 0.3173

Monochromacy



Original Color

36.5510, 0.2279, 0.3405



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.6304, 0.2561, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5510, 0.2279, 0.3405 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, 182, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 175)  
}
```

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, 182, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 175) }
```

Border

The CSS property to change the border of an element to Yxy 36.5510, 0.2279, 0.3405 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, 182, 175) }
```

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

```
.border{ border-color:rgb(0, 182, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5510, 0.2279, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 175) }
```

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

```
.background{ background-color: rgb(0, 182,  
175) }
```

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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