

Converting Colors

$Y_{xy}(36.2613, 0.2261, 0.3338)$

Have a look what the booklet for
Yxy(36.2613, 0.2261, 0.3338)
contains.

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Color

Yxy(36.2686, 0.2261, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	01B5B2
RGB	1, 181, 178
RGB Percent	0%, 71%, 70%
CMY	0.9979, 0.2901, 0.3020
CMYK	1.00, 0.00, 0.02, 0.29
HSL	179°, 99%, 36%
HSV	179°, 100%, 71%
XYZ	24.5666, 36.2686, 47.8185
YIQ	126.8380, -106.3170, -39.0930

Conversions

Conversions Part 2

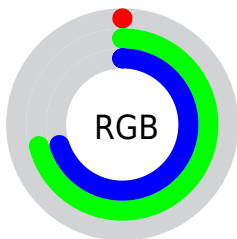
Format	Color
RYB	1, 92, 181
Decimal	112050
CIELab	66.72, -38.07, -9.39
CIELCh	67, 39.216, 193.860
Yxy	36.2686, 0.2261, 0.3338
Android (android.graphics.Color)	4278302130 (0xFF01B5B2)
YUV	126.8380, 25.2229, -110.3599
Hunter-Lab	60.2234, -32.5765, -4.9209

Details

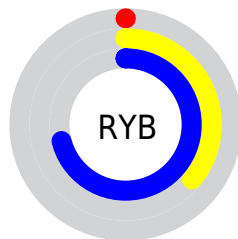
The Yxy color **36.2686, 0.2261, 0.3338** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **9.8445, 0.6377, 0.3290**, and the grayscale version is **21.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1615, 0.2418, 0.3325**, and **16.6594, 0.2259, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **36.2662, 0.2261, 0.3338**, and if you desaturate by 10%, it is **36.4135, 0.2275, 0.3333**.

Distribution



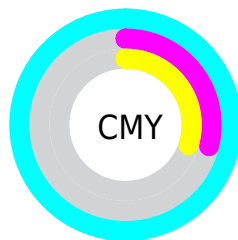
- Red (0%)
- Green (71%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2686, 0.2261, 0.3338 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 36.2686, 0.2261, 0.3338 by changing the saturation by 10% instead.


 36.2686, 0.2261,
0.3338


 36.2686, 0.2261,
0.3338


330.1330, 0.2700,
0.3325

 24.6417, 0.2151,
0.3337


 69.4464, 0.2421,
0.3336


 15.8103, 0.2009,
0.3333


 91.7662, 0.2481,
0.3335


 9.3900, 0.1821,
0.3321


 118.4190, 0.2532,
0.3333

 4.9964, 0.1563,
0.3295

 149.7893, 0.2575,
0.3332

 2.2452, 0.1194,
0.3228

 186.2614, 0.2613,
0.3330

 0.7445, 0.0000,
0.3231

228.2199, 0.2646,

 0.0000, 0.0000,

0.3328

0.0000

276.0489, 0.2675,
0.3327

■ 36.2686, 0.2261,
0.3338

■ 36.2686, 0.2261,
0.3338

■ 36.2662, 0.2261,
0.3338

■ 36.4135, 0.2275,
0.3333

■ 36.6793, 0.2302,
0.3328

■ 37.1108, 0.2347,
0.3322

■ 37.7294, 0.2411,
0.3317

■ 38.5538, 0.2494,
0.3312

■ 39.6001, 0.2594,
0.3307

■ 40.8829, 0.2711,
0.3302

■ 42.4156, 0.2841,
0.3298

■ 44.2105, 0.2982,
0.3294

Harmonies

Analogous

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



36.2686, 0.2679, 0.3941



36.2686, 0.2261, 0.3338



36.2686, 0.2073, 0.2794

Triad

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



36.2686, 0.2261, 0.3338



36.2686, 0.2919, 0.2464



36.2686, 0.4205, 0.4042

Complementary

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



36.2686, 0.2261, 0.3338



9.8445, 0.6377, 0.3290

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.



36.2686, 0.4310, 0.3607



36.2686, 0.2261, 0.3338



36.2686, 0.3527, 0.2745

Square

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



36.2686, 0.2261, 0.3338



36.2686, 0.2422, 0.2357



36.2686, 0.4057, 0.3148



36.2686, 0.3804, 0.4336

Rectangle

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



36.2686, 0.2261, 0.3338



36.2686, 0.2084, 0.2545



36.2686, 0.4057, 0.3148



36.2686, 0.4278, 0.3905

Sweetspot

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



36.2700, 0.2261, 0.3338



73.0111, 0.2701, 0.3302



33.0960, 0.3007, 0.5992



15.5662, 0.2652, 0.3304



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.2700, 0.2261, 0.3338



64.9387, 0.2261, 0.3339



11.8503, 0.1806, 0.1698



9.6291, 0.2988, 0.3293



24.9986, 0.2260, 0.3338



0.7873, 0.2256, 0.3323

Inverse Universe

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



9.8445, 0.6377, 0.3290



17.6028, 0.6388, 0.3292



16.2850, 0.5496, 0.4015



8.5075, 0.3284, 0.3287



6.7779, 0.6378, 0.3287



0.2140, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 36.2686, 0.2261, 0.3338 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 36.2686, 0.2261, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

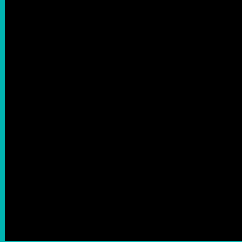
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

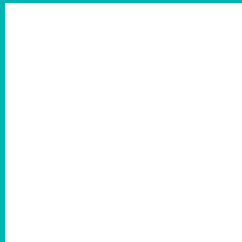
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2686, 0.2261, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 36.2686, 0.2261, 0.3338.

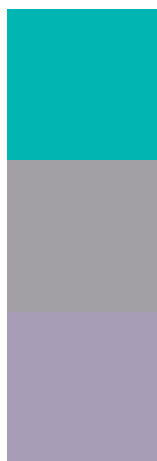


This preview shows how white text looks on a background with the Yxy color 36.2686, 0.2261, 0.3338.

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

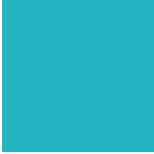
36.2686, 0.2261, 0.3338

Protanopia

35.6448, 0.3111, 0.3218

Deuteranopia

35.7483, 0.2994, 0.2929



Tritanopia

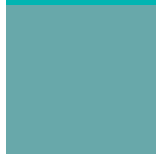
36.4655, 0.2224, 0.3063

Trichromacy



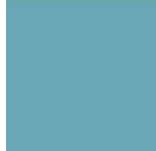
Original Color

36.2686, 0.2261, 0.3338



Protanomaly

33.8506, 0.2594, 0.3256



Deuteranomaly

33.6728, 0.2530, 0.3052



Tritanomaly

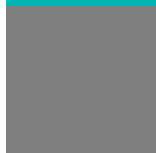
36.4555, 0.2230, 0.3157

Monochromacy



Original Color

36.2686, 0.2261, 0.3338



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.6921, 0.2547, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2686, 0.2261, 0.3338 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, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(1, 181, 178)  
}
```

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, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 181, 178) }
```

Border

The CSS property to change the border of an element to Yxy 36.2686, 0.2261, 0.3338 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, 181, 178) }
```

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

```
.border{ border-color:rgb(1, 181, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(1, 181,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2686, 0.2261, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 181, 178) }
```

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

```
.background{ background-color: rgb(1, 181,  
178) }
```

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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