

Converting Colors

$Y_{xy}(31.7221, 0.1979, 0.3958)$

Have a look what the booklet for
Yxy(31.7221, 0.1979, 0.3958)
contains.

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Color

Yxy(34.7178, 0.2417, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	00B492
RGB	0, 180, 146
RGB Percent	0%, 71%, 57%
CMY	0.9999, 0.2941, 0.4274
CMYK	1.00, 0.00, 0.19, 0.29
HSL	169°, 100%, 35%
HSV	169°, 100%, 71%
XYZ	21.5106, 34.7178, 32.7688
YIQ	122.3040, -96.3660, -48.7340

Conversions

Conversions Part 2

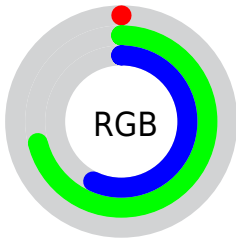
Format	Color
RYB	0, 99, 180
Decimal	46226
CIELab	65.53, -46.71, 6.54
CIELCh	66, 47.169, 172.033
Yxy	34.7178, 0.2417, 0.3901
Android (android.graphics.Color)	4278236306 (0xFF00B492)
YUV	122.3040, 11.6821, -107.2606
Hunter-Lab	58.9218, -37.9481, 8.2717

Details

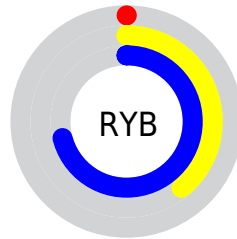
The Yxy color **34.7178, 0.2417, 0.3901** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.8194, 0.6100, 0.3134**, and the grayscale version is **19.5542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2253, 0.2558, 0.3777**, and **15.7662, 0.2458, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **34.7189, 0.2417, 0.3901**, and if you desaturate by 10%, it is **34.9552, 0.2416, 0.3834**.

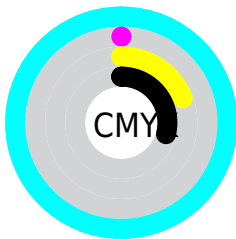
Distribution



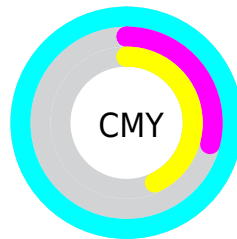
- Red (0%)
- Green (71%)
- Blue (57%)



- Red (0%)
- Yellow (39%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7178, 0.2417, 0.3901 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 34.7178, 0.2417, 0.3901 by changing the saturation by 10% instead.


 34.7178, 0.2417,
0.3901


 34.7178, 0.2417,
0.3901


323.3210, 0.2791,
0.3572


 23.4456, 0.2317,
0.3992


 67.0484, 0.2558,
0.3775

 14.9229, 0.2186,
0.4113


 88.8755, 0.2609,
0.3730


 8.7653, 0.2006,
0.4285


 114.9897, 0.2652,
0.3692

 4.5884, 0.1743,
0.4544

 145.7754, 0.2688,
0.3661

 2.0078, 0.1237,
0.5032

 181.6170, 0.2719,
0.3634

 0.6120, 0.0000,
0.7452

 222.8988, 0.2747,

 0.0000, 0.0000,

0.3610

0.0000

270.0054, 0.2770,
0.3590

■ 34.7178, 0.2417,
0.3901

■ 34.7178, 0.2417,
0.3901

■ 34.7189, 0.2417,
0.3901

■ 34.9552, 0.2416,
0.3834

■ 35.3124, 0.2430,
0.3766

■ 35.8355, 0.2462,
0.3698

■ 36.5462, 0.2514,
0.3631

■ 37.4626, 0.2584,
0.3565

■ 38.6008, 0.2670,
0.3503

■ 39.9754, 0.2771,
0.3443

■ 41.5995, 0.2882,
0.3388

■ 43.4854, 0.3002,
0.3337

Harmonies

Analogous

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



34.7178, 0.3056, 0.4497



34.7178, 0.2417, 0.3901



34.7178, 0.1999, 0.3133

Triad

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



34.7178, 0.2417, 0.3901



34.7178, 0.2418, 0.2195



34.7178, 0.4569, 0.3789

Complementary

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



34.7178, 0.2417, 0.3901



9.8194, 0.6100, 0.3134

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.



34.7178, 0.4389, 0.3248



34.7178, 0.2417, 0.3901



34.7178, 0.3062, 0.2383

Square

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



34.7178, 0.2417, 0.3901



34.7178, 0.2008, 0.2235



34.7178, 0.3807, 0.2755



34.7178, 0.4314, 0.4294

Rectangle

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



34.7178, 0.2417, 0.3901



34.7178, 0.1878, 0.2707



34.7178, 0.3807, 0.2755



34.7178, 0.4561, 0.3608

Sweetspot

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



34.7191, 0.2417, 0.3901



72.3409, 0.2765, 0.3446



33.0185, 0.3070, 0.5945



15.4025, 0.2722, 0.3471



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.



34.7191, 0.2417, 0.3901



62.9189, 0.2420, 0.3912



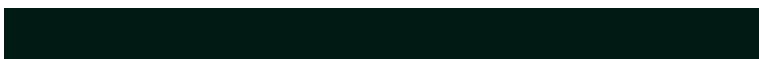
18.2190, 0.1968, 0.2283



9.6035, 0.3010, 0.3333



24.2405, 0.2415, 0.3893



0.7698, 0.2363, 0.3705

Inverse Universe

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



9.8194, 0.6100, 0.3134



17.7782, 0.6134, 0.3153



12.3432, 0.5958, 0.3651



8.5306, 0.3258, 0.3247



6.8605, 0.6073, 0.3119



0.2236, 0.5352, 0.2722

Previews

White Background



This preview shows how the Yxy color 34.7178, 0.2417, 0.3901 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 34.7178, 0.2417, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

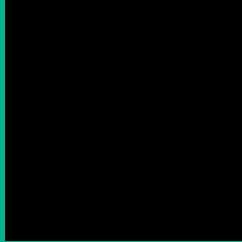
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7178, 0.2417, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 34.7178, 0.2417, 0.3901.

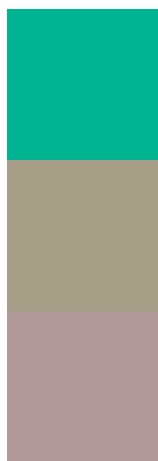


This preview shows how white text looks on a background with the Yxy color 34.7178, 0.2417, 0.3901.

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

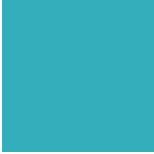
34.7178, 0.2417, 0.3901

Protanopia

34.3100, 0.3422, 0.3632

Deuteranopia

34.2796, 0.3371, 0.3305



Tritanopia

34.6598, 0.2268, 0.3060

Trichromacy



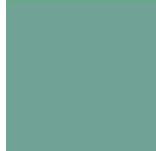
Original Color

34.7178, 0.2417, 0.3901



Protanomaly

32.2007, 0.2825, 0.3753



Deuteranomaly

31.8411, 0.2785, 0.3507



Tritanomaly

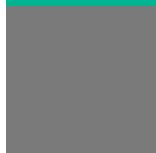
34.4079, 0.2302, 0.3339

Monochromacy



Original Color

34.7178, 0.2417, 0.3901



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.9033, 0.2626, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7178, 0.2417, 0.3901 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, 180, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 146)  
}
```

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, 180, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 146) }
```

Border

The CSS property to change the border of an element to Yxy 34.7178, 0.2417, 0.3901 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, 180, 146) }
```

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

```
.border{ border-color:rgb(0, 180, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7178, 0.2417, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 146) }
```

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

```
.background{ background-color: rgb(0, 180,  
146) }
```

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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