

Converting Colors

$Yxy(14.3190, 0.1599, 0.3395)$

Have a look what the booklet for
Yxy(14.3190, 0.1599, 0.3395)
contains.

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Color

Yxy(16.6088, 0.2272, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	007F7B
RGB	0, 127, 123
RGB Percent	0%, 50%, 48%
CMY	1.0000, 0.5019, 0.5177
CMYK	1.00, 0.00, 0.03, 0.50
HSL	178°, 100%, 25%
HSV	178°, 100%, 50%
XYZ	11.1610, 16.6088, 21.3542
YIQ	88.5710, -74.4080, -28.1680

Conversions

Conversions Part 2

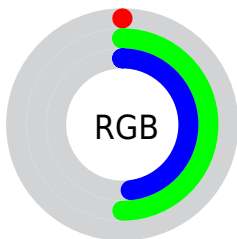
Format	Color
RYB	0, 65, 127
Decimal	32635
CIELab	47.76, -30.00, -6.26
CIELCh	48, 30.644, 191.793
Yxy	16.6088, 0.2272, 0.3381
Android (android.graphics.Color)	4278222715 (0xFF007F7B)
YUV	88.5710, 16.9735, -77.6768
Hunter-Lab	40.7539, -22.4349, -2.5390

Details

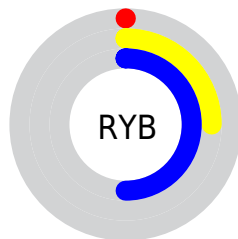
The Yxy color **16.6088, 0.2272, 0.3381** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.5217, 0.6349, 0.3271**, and the grayscale version is **9.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4870, 0.2467, 0.3369**, and **5.8022, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **16.6116, 0.2273, 0.3381**, and if you desaturate by 10%, it is **16.7049, 0.2291, 0.3371**.

Distribution



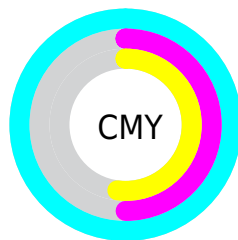
- Red (0%)
- Green (50%)
- Blue (48%)



- Red (0%)
- Yellow (25%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6088, 0.2272, 0.3381 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 16.6088, 0.2272, 0.3381 by changing the saturation by 10% instead.


 16.6088, 0.2272,
0.3381


 16.6088, 0.2272,
0.3381


 232.9078, 0.2762,
0.3339


 9.9560, 0.2124,
0.3388


 37.6519, 0.2468,
0.3368


 5.3698, 0.1917,
0.3392

 52.8110, 0.2535,
0.3362


 2.4658, 0.1609,
0.3384

 71.5743, 0.2591,
0.3357

 0.8594, 0.0356,
0.3614

 94.3262, 0.2637,
0.3352

 0.0000, 0.0000,
0.0000

 121.4511, 0.2675,
0.3348

 153.3334, 0.2708,

0.3345

190.3575, 0.2737,
0.3342

■ 16.6088, 0.2272,
0.3381

■ 16.6088, 0.2272,
0.3381

■ 16.6116, 0.2273,
0.3381

■ 16.7049, 0.2291,
0.3371

■ 16.8436, 0.2320,
0.3361

■ 17.0560, 0.2367,
0.3351

■ 17.3509, 0.2431,
0.3341

■ 17.7359, 0.2513,
0.3332

■ 18.2177, 0.2611,
0.3322

■ 18.8023, 0.2724,
0.3313

■ 19.4954, 0.2849,
0.3305

■ 20.3020, 0.2984,
0.3297

Harmonies

Analogous

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



16.6088, 0.2709, 0.3988



16.6088, 0.2272, 0.3381



16.6088, 0.2065, 0.2819

Triad

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



16.6088, 0.2272, 0.3381



16.6088, 0.2876, 0.2441



16.6088, 0.4237, 0.4022

Complementary

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



16.6088, 0.2272, 0.3381



4.5217, 0.6349, 0.3271

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.



16.6088, 0.4320, 0.3577



16.6088, 0.2272, 0.3381



16.6088, 0.3489, 0.2714

Square

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



16.6088, 0.2272, 0.3381



16.6088, 0.2386, 0.2346



16.6088, 0.4040, 0.3115



16.6088, 0.3847, 0.4337

Rectangle

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



16.6088, 0.2272, 0.3381



16.6088, 0.2065, 0.2556



16.6088, 0.4040, 0.3115



16.6088, 0.4304, 0.3882

Sweetspot

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



16.6116, 0.2273, 0.3381



33.5831, 0.2715, 0.3314



15.2090, 0.3011, 0.5991



7.7718, 0.2674, 0.3317



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.6116, 0.2273, 0.3381



29.7375, 0.2273, 0.3383



5.6354, 0.1817, 0.1740



4.8846, 0.2997, 0.3297



16.7500, 0.2273, 0.3381



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5217, 0.6349, 0.3271



8.0915, 0.6363, 0.3279



7.6688, 0.5456, 0.4050



4.3463, 0.3273, 0.3284



4.5594, 0.6349, 0.3271



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6088, 0.2272, 0.3381 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 16.6088, 0.2272, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

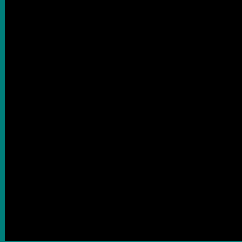
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.6088, 0.2272, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 16.6088, 0.2272, 0.3381.



This preview shows how white text looks on a background with the Yxy color 16.6088, 0.2272, 0.3381.

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

16.6088, 0.2272, 0.3381

Protanopia

16.4481, 0.3142, 0.3250

Deuteranopia

16.5357, 0.3025, 0.2964



Tritanopia

16.6361, 0.2236, 0.3066

Trichromacy



Original Color

16.6088, 0.2272, 0.3381

Protanomaly

15.4234, 0.2627, 0.3289

Deuteranomaly

15.4930, 0.2559, 0.3071

Tritanomaly

16.6796, 0.2244, 0.3175

Monochromacy



Original Color

16.6088, 0.2272, 0.3381

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.5099, 0.2579, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6088, 0.2272, 0.3381 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, 127, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 123)  
}
```

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, 127, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 123) }
```

Border

The CSS property to change the border of an element to Yxy 16.6088, 0.2272, 0.3381 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, 127, 123) }
```

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

```
.border{ border-color:rgb(0, 127, 123) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6088, 0.2272, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 123) }
```

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

```
.background{ background-color: rgb(0, 127,  
123) }
```

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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