

Converting Colors

$Yxy(27.8209, 0.2381, 0.3703)$

Have a look what the booklet for
Yxy(27.8209, 0.2381, 0.3703)
contains.

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Color

Yxy(27.8443, 0.2384, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	10A28C
RGB	16, 162, 140
RGB Percent	6%, 64%, 55%
CMY	0.9367, 0.3647, 0.4510
CMYK	0.90, 0.00, 0.14, 0.36
HSL	171°, 82%, 35%
HSV	171°, 90%, 64%
XYZ	17.8683, 27.8443, 29.2384
YIQ	115.8380, -79.9540, -37.7940

Conversions

Conversions Part 2

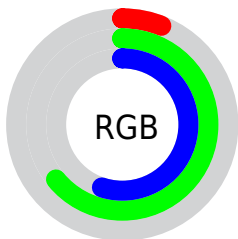
Format	Color
R_{YB}	16, 95, 162
Decimal	1090188
CIE _{Lab}	59.75, -40.07, 1.57
CIE _{LCh}	60, 40.100, 177.758
Yxy	27.8443, 0.2384, 0.3715
Android (android.graphics.Color)	4279280268 (0xFF10A28C)
YUV	115.8380, 11.9119, -87.5579
Hunter-Lab	52.7677, -31.8994, 4.0850

Details

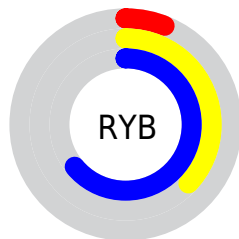
The Yxy color **27.8443, 0.2384, 0.3715** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1968, 0.5882, 0.3122**, and the grayscale version is **17.4062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4260, 0.2541, 0.3638**, and **11.6755, 0.2396, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **27.6630, 0.2380, 0.3767**, and if you desaturate by 10%, it is **28.1194, 0.2402, 0.3662**.

Distribution



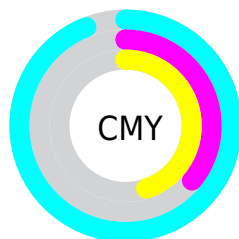
- Red (6%)
- Green (64%)
- Blue (55%)



- Red (6%)
- Yellow (37%)
- Blue (64%)



- Cyan (90%)
- Magenta (0%)
- Yellow (14%)
- Black (36%)





- Cyan (94%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8443, 0.2384, 0.3715 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 27.8443, 0.2384, 0.3715 by changing the saturation by 10% instead.

 27.8443, 0.2384,
0.3715


 27.8443, 0.2384,
0.3715


291.7222, 0.2785,
0.3484


 18.2083, 0.2274,
0.3779


 56.2358, 0.2537,
0.3626

 11.0997, 0.2126,
0.3867


 75.7600, 0.2592,
0.3594


 6.1339, 0.1919,
0.3990

 99.3492, 0.2638,
0.3568

 2.9267, 0.1609,
0.4179

 127.3877, 0.2677,
0.3546

 1.0936, 0.0215,
0.4948

 160.2598, 0.2710,
0.3527

 0.0000, 0.0000,
0.0000

 198.3500, 0.2738,

0.3511

242.0426, 0.2763,
0.3496

■ 27.8443, 0.2384,
0.3715

■ 27.8443, 0.2384,
0.3715

■ 27.6630, 0.2380,
0.3767

■ 28.1194, 0.2402,
0.3662

■ 28.5229, 0.2438,
0.3610

■ 29.0723, 0.2493,
0.3558

■ 29.7817, 0.2566,
0.3507

■ 30.6635, 0.2655,
0.3458

■ 31.7287, 0.2759,
0.3411

■ 32.9875, 0.2873,
0.3367

■ 34.4495, 0.2997,
0.3327

■ 36.1234, 0.3127,
0.3290

Harmonies

Analogous

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



27.8443, 0.2947, 0.4309



27.8443, 0.2384, 0.3715



27.8443, 0.2040, 0.3031

Triad

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



27.8443, 0.2384, 0.3715



27.8443, 0.2574, 0.2292



27.8443, 0.4437, 0.3859

Complementary

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



27.8443, 0.2384, 0.3715



8.1968, 0.5882, 0.3122

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.



27.8443, 0.4346, 0.3355



27.8443, 0.2384, 0.3715



27.8443, 0.3200, 0.2503

Square

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



27.8443, 0.2384, 0.3715



27.8443, 0.2145, 0.2290



27.8443, 0.3872, 0.2879



27.8443, 0.4144, 0.4298

Rectangle

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



27.8443, 0.2384, 0.3715



27.8443, 0.1959, 0.2669



27.8443, 0.3872, 0.2879



27.8443, 0.4453, 0.3693

Sweetspot

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



27.8454, 0.2384, 0.3715



58.1448, 0.2787, 0.3400



26.3388, 0.3084, 0.5841



12.9039, 0.2751, 0.3414



82.7571, 0.3127, 0.3290



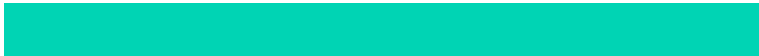
14.7319, 0.3127, 0.3290

Same Dimension

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



27.8454, 0.2384, 0.3715



50.1956, 0.2383, 0.3777



14.6146, 0.1993, 0.2297



7.9928, 0.3007, 0.3324



21.7984, 0.2379, 0.3763



0.4627, 0.2326, 0.3573

Inverse Universe

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



8.1968, 0.5882, 0.3122



14.0490, 0.6208, 0.3193



11.4717, 0.5593, 0.3803



7.1026, 0.3262, 0.3256



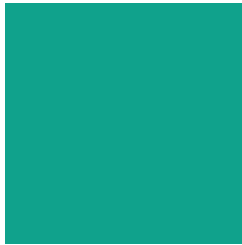
6.1093, 0.6157, 0.3165



0.1331, 0.5404, 0.2751

Previews

White Background



This preview shows how the Yxy color 27.8443, 0.2384, 0.3715 looks on a white 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

Black Background



This preview shows how the Yxy color 27.8443, 0.2384, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

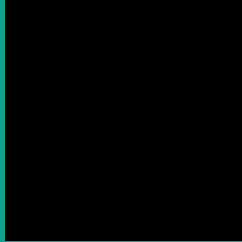
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8443, 0.2384, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 27.8443, 0.2384, 0.3715.

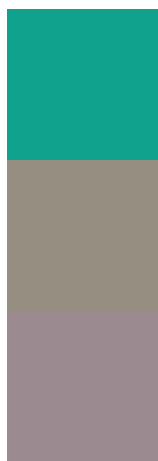


This preview shows how white text looks on a background with the Yxy color 27.8443, 0.2384, 0.3715.

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

27.8443, 0.2384, 0.3715

Protanopia

27.3205, 0.3336, 0.3502

Deuteranopia

27.2892, 0.3254, 0.3181



Tritanopia

27.9368, 0.2268, 0.3074

Trichromacy



Original Color

27.8443, 0.2384, 0.3715



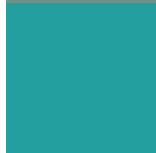
Protanomaly

25.9550, 0.2809, 0.3583



Deuteranomaly

25.8539, 0.2758, 0.3361



Tritanomaly

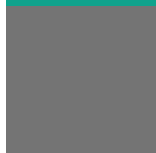
27.6568, 0.2300, 0.3288

Monochromacy



Original Color

27.8443, 0.2384, 0.3715



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.9612, 0.2664, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8443, 0.2384, 0.3715 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(16, 162, 140)` looks like.

```
.text, #text, p{  
    color:rgb(16, 162, 140)  
}
```

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(16, 162, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 162, 140) }
```

Border

The CSS property to change the border of an element to Yxy 27.8443, 0.2384, 0.3715 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(16, 162, 140) }
```

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

```
.border{ border-color:rgb(16, 162, 140) }
```

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

Here you see how a box with a 4 pixel rgb(16, 162, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 162, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 162, 140);  
box-shadow:4px 4px 4px 4px rgb(16, 162,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8443, 0.2384, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 162, 140) }
```

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

```
.background{ background-color: rgb(16, 162,  
140) }
```

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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